

# STC

Environmental Services Inc.  
Geologists and Environmental Scientists

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4754 RESEARCH DRIVE

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**PHASE II ENVIRONMENTAL SITE ASSESSMENT  
LIMITED SUBSURFACE INVESTIGATION  
FORMER JANOE TRUCKING FACILITY  
5036 ROOSEVELT AVENUE  
SAN ANTONIO, TEXAS 78214**

**REPORT PREPARED FOR:**

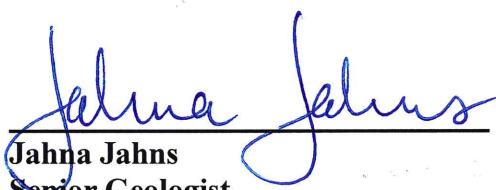
**Mr. Peter Willcox  
Willcox Metal, Inc.  
4103 Factory Hill Street, Suite A  
San Antonio, Texas 78219**

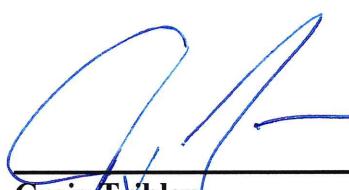
**PREPARED BY:**

**STC ENVIRONMENTAL SERVICES, INC.**

**STC PROJECT 202105**

**March 31, 2020**

  
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CAPM 00022

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## **1.0 SUMMARY**

This report presents the results of soil and groundwater testing conducted at the property associated with the address 5036 Roosevelt Avenue in San Antonio, Texas. The work was performed to confirm or refute whether hazardous substances may have been released into soil or groundwater on the property. The work is associated with a real estate evaluation of the property.

A Phase I Environmental Assessment of the property was conducted by STC in February 2020. The Phase I Assessment revealed an extensive history of commercial industrial activities on the site dating back to the 1950's. Those activities included automotive repair and oil field service businesses. In addition, the Phase I revealed the potential for an abandoned underground storage tank on the site. Based on the findings of the Phase I Assessment, a subsurface investigation at the site was recommended to determine if hazardous substances are present in the soil and groundwater at the site.

On March 12, 2020, five (5) exploratory borings were drilled at the site. Two (2) soil samples from each boring were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), RCRA 8 Metals, total petroleum hydrocarbons (TPH), and chlorides.

The test results were compared to the Protective Concentration Levels (PCLs) recognized by the Texas Commission on Environmental Quality (TCEQ). The PCL's represent allowable limits or action levels for various pollutants. If the PCL's are exceeded, then that condition usually indicates that test results should be reported to the TCEQ and some form of action is required.

Soil testing revealed that various VOC and SVOC compounds were detected at concentrations below the PCLs. TPH in soil was detected at concentrations above the PCL in one of the borings. In addition, several metals were also detected at concentrations above the PCLs for the protection of groundwater.

Two (2) of the borings were converted to temporary groundwater monitoring wells. Maximum depth of the wells was 43 feet below surface. A groundwater sample was collected from each of the monitoring wells and analyzed for VOCs, SVOCs, RCRA 8 Metals, TPH, chlorides, and total dissolved solids (TDS).

Groundwater testing revealed that TPH was not detected in groundwater. Metals, SVOC compounds, and a majority of the VOC compounds were either not detected or detected at concentrations below the PCLs. However, trichloroethene was detected at a concentration significantly above the PCL in both of the groundwater samples. Chlorides were also detected at elevated concentrations in groundwater.

When test results exceed the PCL's then reporting to regulatory officials is required. Failure to report the findings could potentially result in fines and/or enforcement actions. Once the release is reported, additional soil and groundwater testing will be necessary to select the best remedy for this site. At least two remedies are available for this site. In our opinion, the minimum cost for any remedy is not likely to be less than \$150,000 and final costs could be considerably higher. Additional details regarding the assessment and possible remedies are discussed in more detail in subsequent sections of this report.

## **2.0 SITE CONDITIONS**

The site consists of 4.2270 acres of land located at the address 5036 Roosevelt Avenue in San Antonio, Texas. A site location map is presented on Figure 1.

The site is developed with multiple buildings formerly associated with the Janoe Trucking Company. An aerial photograph of the site is presented on Figure 2. Photographs of the site are presented in Appendix A.

According to the Bureau of Economic Geology, Geologic Atlas of Texas, San Antonio Sheet, revised 1982, the site is situated on the Wilcox Group (Ewi) of Tertiary Age. In addition, a review of the TCEQ Edwards Aquifer Protection Program website indicated the site is located within the Artesian Zone of the Edwards Aquifer.

## **3.0 PREVIOUS STUDIES**

A Phase I Environmental Assessment of the property was conducted by STC in February 2020. The Phase I Assessment revealed an extensive history of commercial industrial activities on the site dating back to the 1950's. These activities included automotive repair and oil field service businesses. In addition, the Phase I revealed the potential for an abandoned underground storage tank on the site. Based on the findings of the Phase I Assessment, a subsurface investigation at the site was recommended to determine if hazardous substances are present in the soil and groundwater at the site.

## **4.0 SOIL SAMPLING AND TESTING**

On March, 2020, five (5) exploratory borings were drilled at the site. The location of the borings is shown on Figure 2.

Boring B1/MW1 was installed in the vicinity the small shop/paint booth/wash bay building located near the northeast corner of the property. The location of Boring B2 was designed to address potentially hazardous substances associated with an exhaust fan and air compressor associated with the large warehouse building located in the center of the property. Boring B3 was installed in an area of pitted and stained concrete inside the large warehouse building. The locations of Borings B4/MW2 and B5 were designed to address potentially hazardous substances associated with a possible abandoned below ground storage tank at the site.

The borings were drilled using a Geoprobe rig that hydraulically pushed core tubes with polyethylene liners at intervals of five feet with a maximum depth of 43 feet below surface. Samples were collected from the core tubes at intervals of 2.5 feet where possible and screened in the field with a photo-ionization detector (PID). The results of the PID screen are shown on the log of the exploratory boring in Appendix B.

After review of the PID readings, olfactory, and visual observation of the soil samples, two (2) soil samples from each boring was analyzed for VOCs, SVOCs, RCRA 8 Metals, TPH, and chlorides. A summary of the soil test results is presented on Tables I through IV. The analytical laboratory reports and Chain of Custody Records are presented in Appendix C.

## **5.0 WELL INSTALLATION AND GROUNDWATER TESTING**

Borings B1 and B4 were converted to permanent groundwater monitoring wells with a 2 inch diameter PVC casing. Monitor well B1/MW1 was extended to a depth of 35 feet below surface and Monitor Well B4/MW2 was extended to a depth of 43 feet below surface. The Boring Logs, Well Details and State of Texas Well Reports are presented in Appendix B.

A groundwater sample was collected from each of the monitoring wells using low-flow sampling techniques. Field notes for the sampling are presented in Appendix D.

The groundwater samples were analyzed for VOCs, SVOCs, RCRA 8 Metals, TPH, chlorides, and TDS. A summary of the groundwater testing results is presented on Tables V through IV.

## **6.0 FINDINGS AND POTENTIAL REMEDIES**

Soil testing revealed that various VOC and SVOC compounds were detected at concentrations below the PCLs in each of the borings. TPH was detected at concentrations above the PCL in one of the borings. In addition, several metals in soil were also detected at concentrations above the PCLs for the protection of groundwater in each of the borings.

Groundwater testing revealed that TPH was not detected. Metals, SVOC compounds, and a majority of the VOC compounds were either not detected or detected at concentrations below the PCLs.

However, trichloroethene was detected at a concentration significantly above the Groundwater Ingestion PCL in both of the groundwater samples. Chlorides were also detected at elevated concentrations in groundwater.

When test results exceed the PCL's, then reporting to regulatory officials is required. Failure to report the findings could potentially result in fines and/or enforcement actions.

Once the release is reported, additional soil and groundwater testing will be necessary to select the best remedy for this site. The purpose of the additional soil and groundwater testing is to define the full extent of contamination. The extent of contamination will have a direct effect on the cost and selection of the best remedy.

At present, the extent of contamination is unknown. Furthermore, based on the levels of trichloroethene found in groundwater, it appears likely that the groundwater contamination may extend to off-site properties.

Several potential remedies are potentially available for this site. These remedies may include but are not limited to the following:

1. A Municipal Setting Designation (MSD)
2. A Plume Management Zone (PMZ)
3. Injection of Chemicals into Groundwater

The aforementioned remedies are discussed in more detail below.

- A Municipal Setting Designation (MSD) involves a deed restriction that does not allow the drilling of wells into contaminated groundwater zones. The deed restriction is placed on the property by the City of San Antonio through a type of ordinance or declaration. Hence, City approval of the MSD is required. To qualify for an MSD, it must be demonstrated that the groundwater plume is stable or declining. This demonstration may require several years of testing and monitoring. Removal of “source area material” is also often required for a MSD. Source area material typically consists of highly contaminated soils that are causing groundwater to remain contaminated. Public notices and hearings are also required for approval of a MSD.
- A PMZ (Item 2 above) is similar to an MSD. The main difference is that deed restrictions for a PMZ are placed voluntarily on the property by the landowners rather than by the City. For these reasons, a PMZ may only be feasible if the plume is limited to the property boundary or in cases where affected off-site landowners are amenable to allowing the deed restriction that prohibits the installation of wells.
- The injection of chemicals into groundwater (Item 3 above) involves the use of chemicals that will degrade the trichloroethene molecule into simpler less toxic compounds. Some degree of long-term monitoring is often required for this remedy as well. The monitoring is designed to assure that the injection has provided a long-term solution that treats the entire plume, and does not leave localized “pockets” of contamination remaining. Injection of chemicals could also be used in conjunction with a MSD or PMZ to meet certain criteria.

If the assessment of the site revealed that the groundwater contamination could be derived from an off-site source, then an additional remedy through the Innocent Owner/Operator Program (IOP) may be available. The IOP is a certification process which reasonably demonstrates that all contamination found in groundwater is exclusively derived from an off-site source. Once that

demonstration is made, to the satisfaction of TCEQ officials, an Innocent Owner/Operator Certificate is provided. That certificate provides the landowner immunity from enforcement actions. However, given the history of site, and the potential for the on-site use of trichloroethene, the burden of proof for obtaining an IOP certificate will be relatively high in comparison to other properties with no industrial use. Furthermore, if additional assessment revealed shallow levels of trichloroethene in soil, which suggests the potential for an on-site source, this remedy would no longer be feasible.

The minimum cost for any of the aforementioned remedies is not expected to be less than \$150,000. Actual costs could be much higher. Actual costs can not be estimated until plume stability, the ability to effectively inject chemicals, and other data is obtained. The cost and feasibility of the MSD could also be influenced by non-technical factors such as public opposition to the MSD.

The minimum time frame for completing any of the aforementioned remedies is estimated to be 2 to 3 years. Actual completion times may be much longer. Completion times of 5 to 10 years are not uncommon.

**TABLES**

**Table I**  
**Summary of Soil Testing**  
**Volatiles**

Constituent	Residential Human Health PCL (Tot-Soil-Comb)	Residential Ground-Water Protection PCL (Gw-Soil-Ing)	B1/MW1 @ 0-2.5 mg/kg	Lab Flag	B1/MW1 @ 20-24 mg/kg	Lab Flag	B2 @ 0-2.5 mg/kg	Lab Flag	B2 @ 12.5-15 mg/kg	Lab Flag	B3 @ 0-2.5 mg/kg	Lab Flag
Acetone	66000	43	0.00166	U	0.00168	U	0.00194		0.00177	U	0.0282	*
Benzene	120	0.026	0.000631	U	0.000639	U	0.000736	U	0.000671	U	0.000515	U
Bromoform	400	0.63	0.00137	U	0.00139	U	0.0016	U	0.00146	U	0.00112	U
Bromomethane	46	0.13	0.000831	U	0.000842	U*	0.000969	U*	0.000884	U	0.000679	U
2-Butanone (MEK)	40000	29	0.0019	U	0.00193	U	0.00222	U	0.00202	U*	0.00155	U*
Carbon disulfide	4600	14	0.000551	U	0.000558	U	0.000642	U	0.000586	U	0.00045	U
Carbon tetrachloride	35	0.062	0.00113	U	0.00115	U	0.00132	U	0.0012	U	0.000924	U
Dibromochloromethane	72	0.36	0.000941	U	0.000954	U	0.0011	U	0.001	U	0.000769	U
Chlorobenzene	520	1.1	0.000961	U	0.000974	U	0.00112	U	0.00102	U	0.000785	U
Chloroethane	27000	31	0.0014	U	0.00142	U	0.00163	U	0.00149	U	0.00115	U
Chloroform	16	1	0.000661	U	0.00067	U	0.000771	U	0.000703	U	0.00054	U
Chloromethane	140	0.41	0.00166	U	0.00168	U	0.00194	U	0.00177	U	0.000136	U
1,1-Dichloroethane	11000	18	0.000871	U	0.000883	U	0.00102	U	0.000927	U	0.000712	U
1,2-Dichloroethane	11	0.014	0.000901	U	0.000913	U	0.00105	U	0.000959	U	0.000736	U
1,1-Dichloroethene	2300	0.05	0.00122	U	0.00124	U	0.00142	U	0.0013	U	0.000998	U
cis-1,2-Dichloroethene	140	0.25	0.000831	U	0.00181	J	0.00969	U	0.000884	U	0.000679	U
trans-1,2-Dichloroethene	590	0.49	0.00114	U	0.00181	J	0.00133	U	0.00121	U	0.00932	U
1,2-Dichloropropane	61	0.023	0.000711	U	0.00072	U	0.000829	U	0.000757	U	0.000581	U
cis-1,3-Dichloropropene	8	0.0066	0.000541	U	0.000548	U	0.000631	U	0.000575	U	0.000442	U
trans-1,3-Dichloropropene	36	0.036	0.000581	U	0.000589	U	0.000677	U	0.000618	U	0.000474	U
Ethylbenzene	6400	7.6	0.00102	U	0.00103	U	0.00119	U	0.00109	U	0.000834	U
2-Hexanone	270	0.32	0.00101	U	0.00102	U	0.00118	U	0.00108	U*	0.000826	U*
Methylene Chloride	1600	0.013	0.00291	J	0.00222	U	0.00511	Jb	0.00524	Jb	0.00911	b
Styrene	6700	3.3	0.000711	U	0.00072	U	0.000829	U	0.000757	U	0.000581	U
1,1,2,2-Tetrachloroethane	30	0.023	0.000871	U	0.000883	U	0.00102	U	0.000927	U	0.000712	U
Tetrachloroethene	710	0.05	0.000711	U	0.00072	U	0.000829	U	0.000757	U	0.000581	U
Toluene	5900	8.2	0.00138	U	0.0014	U	0.00161	U	0.00147	U	0.00175	J
1,1,1-Trichloroethane	53000	1.6	0.000741	U	0.000751	U	0.000864	U	0.000789	U	0.000605	U
1,1,2-Trichloroethane	18	0.02	0.000731	U	0.000741	U	0.000852	U	0.000778	U	0.000597	U
Trichloroethene	18	0.034	0.0014	U	0.0201		0.00163	U	0.00149	U	0.00115	U*
Vinyl acetate	300	53	0.000931	U	0.000944	U	0.00109	U	0.000991	U	0.000761	U
Vinyl chloride	3.7	0.022	0.000901	U	0.000913	U	0.00105	U	0.000959	U	0.000736	U
o-Xylene	48000	71	0.00113	U	0.00115	U	0.00132	U	0.0012	U	0.000924	U
m,p-Xylene	8900	110	0.00152	U	0.00154	U	0.00177	U	0.00162	U	0.00124	U
Xylenes, total	6000	120	0.00113	U	0.00115	U	0.00132	U	0.0012	U	0.000924	U
Bromodichloromethane	98	0.065	0.000661	U	0.00067	U	0.000771	U	0.000703	U	0.00054	U
1,1,2-Trichloro-1,2,3-trifluoroethane	74000	80000	0.00144	U	0.00146	U	0.00168	U	0.00153	U	0.00118	U
1,2-Dibromo-3-Chloropropane	0.15	0.0017	0.00244	U	0.00248	U	0.00265	U	0.0026	U	0.002	U
Dichlorodifluoromethane	1400	240	0.00154	U	0.00156	U	0.0018	U	0.00164	U	0.00126	U
1,2-Dibromoethane	0.73	0.00021	0.00102	U	0.00103	U	0.00119	U	0.00109	U	0.000834	U
Isopropylbenzene	4300	350	0.000921	U	0.000933	U	0.00107	U	0.00098	U	0.000753	U*
Methyl tert-butyl ether	800	0.62	0.00183	U	0.00186	U	0.00214	U	0.00195	U	0.0015	U
Cyclohexane	75000	5900	0.00192	U	0.00195	U	0.00224	U	0.00205	U	0.00157	U
Date Collected			3/12/2020		3/12/2020		3/12/2020		3/12/2020		3/12/2020	

**Notes:**

Yellow shaded cells show values that are not detectable, but the detection limit exceeds the PCL's.

Green shaded cells indicate an analyte that was detected but below the PCL's.

Red shaded cells indicate an analyte that exceeded the PCL for groundwater protection.

1. The PCLs are the limits for a residential Property and a 0.5 acre source area published in 30 TAC 350.

2. U -This lab flag indicates the constituent is not detectable and the value shown is the Sample Quantitation Limit (SQL).

3. \* - This flag indicates the LCS or LCSD exceeds the control limits.

4. J - This flag indicates the constituent was found at concentrations below the instrument calibration range.

5. b - This flag indicates the constituent was found in the method blank.

**Table I**  
**Summary of Soil Testing**  
**Volatiles**

Constituent	Residential Human Health PCL (Tot-Soil-Comb)	Residential Ground-Water Protection PCL (Gw-Soil-Ing)	B3 @ 12.5-16 mg/kg	Lab Flag	B4/MW2 @ 0-2.5 mg/kg	Lab Flag	B4/MW2 @ 30-35 mg/kg	Lab Flag	B5 @ 0-2.5 mg/kg	Lab Flag	B5 @ 12.5-15 mg/kg	Lab Flag
Acetone	66000	43	0.00189	U*	0.401	E*	0.00148	U*	0.00128	U*	0.0016	U*
Benzene	120	0.026	0.000717	U	0.000462	U	0.000563	U	0.000487	U	0.000609	U
Bromoform	400	0.63	0.00156	U	0.001	U	0.00122	U	0.00106	U	0.00132	U
Bromomethane	46	0.13	0.000944	U	0.000609	U	0.000741	U	0.000641	U	0.000802	U
2-Butanone (MEK)	40000	29	0.00216	U*	0.00556	*	0.0017	U*	0.00147	U*	0.00184	U*
Carbon disulfide	4600	14	0.000626	U	0.000403	U	0.000491	U	0.000425	U	0.000532	U
Carbon tetrachloride	35	0.062	0.00129	U	0.000829	U	0.00101	U	0.000873	U	0.00109	U
Dibromochloromethane	72	0.36	0.00107	U	0.000689	U	0.000839	U	0.000726	U	0.000909	U
Chlorobenzene	520	1.1	0.00109	U	0.000704	U	0.000857	U	0.000741	U	0.000928	U
Chloroethane	27000	31	0.00159	U	0.00103	U	0.00125	U	0.00108	U	0.00135	U
Chloroform	16	1	0.000751	U	0.000484	U	0.000589	U	0.00051	U	0.000638	U
Chloromethane	140	0.41	0.000189	U	0.00122	U	0.00148	U	0.00128	U	0.0016	U
1,1-Dichloroethane	11000	18	0.00099	U	0.000638	U	0.000777	U	0.000672	U	0.000841	U
1,2-Dichloroethane	11	0.014	0.00102	U	0.00066	U	0.000804	U	0.000685	U	0.00087	U
1,1-Dichloroethene	2300	0.05	0.00139	U	0.000895	U	0.00109	U	0.000942	U	0.00118	U
cis-1,2-Dichloroethene	140	0.25	0.000944	U	0.000609	U	0.000741	U	0.000641	U	0.000802	U
trans-1,2-Dichloroethene	590	0.49	0.0013	U	0.000836	U	0.00102	U	0.00088	U	0.0011	U
1,2-Dichloropropane	61	0.023	0.000808	U	0.000521	U	0.000634	U	0.000548	U	0.000686	U
cis-1,3-Dichloropropene	8	0.0066	0.000614	U	0.000396	U	0.000482	U	0.000417	U	0.000522	U
trans-1,3-Dichloropropene	36	0.036	0.00066	U	0.000425	U	0.000518	U	0.000448	U	0.000561	U
Ethylbenzene	6400	7.6	0.00116	U	0.000748	U	0.000911	U	0.000788	U	0.000986	U
2-Hexanone	270	0.32	0.00115	U*	0.000741	U*	0.000902	U*	0.00078	U*	0.000976	U*
Methylene Chloride	1600	0.013	0.00645	Jb	0.00161	U	0.00491	Jb	0.00169	U	0.00542	Jb
Styrene	6700	3.3	0.000808	U	0.000521	U	0.000634	U	0.000548	U	0.000686	U
1,1,2,2-Tetrachloroethane	30	0.023	0.00099	U	0.000638	U	0.000777	U	0.000672	U	0.000841	U
Tetrachloroethene	710	0.05	0.000808	U	0.000521	U	0.00634	U	0.000548	U	0.000686	U
Toluene	5900	8.2	0.00157	U	0.00101	U	0.00123	U	0.00107	U	0.00133	U
1,1,1-Trichloroethane	53000	1.6	0.000842	U	0.000543	U	0.000661	U	0.000572	U	0.000715	U
1,1,2-Trichloroethane	18	0.02	0.000831	U	0.000535	U	0.000652	U	0.000564	U	0.000706	U
Trichloroethene	18	0.034	0.00159	U*	0.00103	U*	0.0148		0.00108	U*	0.00135	U*
Vinyl acetate	300	53	0.00106	U	0.000682	U	0.000831	U	0.000718	U	0.000899	U
Vinyl chloride	3.7	0.022	0.00102	U	0.00066	U	0.000804	U	0.000695	U	0.00087	U
o-Xylene	48000	71	0.00129	U	0.000829	U	0.00101	U	0.000873	U	0.00109	U
m,p-Xylene	8900	110	0.00173	U	0.00111	U	0.00136	U	0.00117	U	0.00147	U
Xylenes, total	6000	120	0.00129	U	0.000829	U	0.00101	U	0.000873	U	0.001	U
Bromodichloromethane	98	0.065	0.000751	U	0.000484	U	0.000589	U	0.00051	U	0.000638	U
1,1,2-Trichloro-1,2,3-trifluoroethane	74000	80000	0.00164	U	0.00106	U	0.00129	U	0.00111	U	0.00139	U
1,2-Dibromo-3-Chloropropane	0.15	0.0017	0.00278	U	0.00179	U	0.00218	U	0.00188	U	0.00236	U
Dichlorodifluoromethane	1400	240	0.00175	U	0.00113	U	0.00138	U	0.00119	U	0.00149	U
1,2-Dibromoethane	0.73	0.00021	0.00116	U	0.000748	U	0.000911	U	0.000788	U	0.000986	U
Isopropylbenzene	4300	350	0.00105	U*	0.000675	U*	0.000822	U	0.000711	U*	0.000889	U*
Methyl tert-butyl ether	800	0.62	0.00208	U	0.00134	U	0.00163	U	0.00141	U	0.00177	U
Cyclohexane	75000	5900	0.00218	U	0.00141	U	0.00171	U	0.00148	U	0.00186	U
Date Collected			3/12/2020		3/12/2020		3/12/2020		3/12/2020		3/12/2020	

**Notes:**

Yellow shaded cells show values that are not detectable, but the detection limit exceeds the PCL's.

Green shaded cells indicate an analyte that was detected but below the PCL's.

Red shaded cells indicate an analyte that exceeded the PCL for groundwater protection.

1. The PCLs are the limits for a residential Property and a 0.5 acre source area published in 30 TAC 350.

2. U -This lab flag indicates the constituent is not detectable and the value shown is the Sample Quantitation Limit (SQL).

3. \* - This flag indicates the LCS or LCSD exceeds the control limits.

4. J - This flag indicates the constituent was found at concentrations below the instrument calibration range.

5. b - This flag indicates the constituent was found in the method blank.

**Table II**  
**Summary of Soil Testing**  
**Metals**

Constituent	Residential Human Health PCL ( <sup>Tot</sup> Soil <sub>Comb</sub> ) mg/kg	Ground-water Protection PCL ( <sup>GW</sup> Soil <sub>Ing</sub> ) mg/kg	B1/MW1 @ 0-2.5 mg/kg	Lab Flag	B1/MW1 @ 20-24 mg/kg	Lab Flag	B2 @ 0-2.5 mg/kg	Lab Flag	B2 @ 12.5-15 mg/kg	Lab Flag	B3 @ 0-2.5 mg/kg	Lab Flag
Lead	500	15	19.20		7.19		58.40		4.87		3.53	
Chromium	3300	2400	11.50		8.55		11.70		3.08		4.14	
Cadmium	52	1.5	2.21		0.248	J	2.34		0.0293	U	0.036	J
Barium	8100	440	2970		28.60		202		26.80		31.90	
Arsenic	24	5.9	4.63		1.34		3.70		2.95		1.82	
Silver	97	0.48	0.134	U	0.159	U	0.138	U	0.136	U	0.121	U
Selenium	310	2.3	0.822	J	0.347	U	0.301	U	0.297	U	0.264	U
Mercury	3.6	0.04	0.02180		0.0236		0.012500	J	0.003960	U	0.00587	J
Date Collected			3/12/2020		3/12/2020		3/12/2020		3/12/2020		3/12/2020	
	Yellow shaded cells show values that are not detectable, but the detection limit exceeds the PCL's.											
	Green shaded cells indicate an analyte that was detected but below the PCL's.											
	Red shaded cells indicate an analyte that exceeded the PCL for groundwater protection.											
	Black shaded cells indicate an analyte that exceeded the PCL for Human Health											
	1. The U flag indicates the constituent is not detectable and the value shown is the Sample Quantitation Limit (SQL).											
	2. The J flag indicates the constituent was found at levels below the calibration range.											
	3. The b flag indicates the constituent was found in the method blank.											
	4. The PCLs are the limits for a residential Property and a 0.5 acre source area published in 30 TAC 350.											
	4. The b flag indicates the constituent was found in the method blank.											
	5. For metals, the background value is substituted for the critical PCL, when the PCL is more stringent.											

**Table II**  
**Summary of Soil Testing**  
**Metals**

Constituent	Residential Human Health PCL ( <sup>Tot</sup> Soil <sub>Comb</sub> ) mg/kg	Ground-water Protection PCL ( <sup>GW</sup> Soil <sub>Ing</sub> ) mg/kg	B3 @ 12.5-16 mg/kg	Lab Flag	B4/MW2 @ 0-2.5 mg/kg	Lab Flag	B4/MW2 @ 30-35 mg/kg	Lab Flag	B5 @ 0-2.5 mg/kg	Lab Flag	B5 @ 12.5-15 mg/kg	Lab Flag
Lead	500	15	15		124		7.51		12.20		11.50	
Chromium	3300	2400	7.72		5.01		9.92		10.1		6.16	
Cadmium	52	1.5	0.0288	U	5.2		0.0318	U	0.132	J	0.0290	U
Barium	8100	440	27		75.70		124		80.3		34	
Arsenic	24	5.9	9.43		2.87	J	3.66		4.7		6.96	
Silver	97	0.48	0.134	U	0.129	U	0.148	U	0.136	U	0.135	
Selenium	310	2.3	0.291	U	0.280	U	0.322	U	0.296	U	0.293	U
Mercury	3.6	0.04	0.00866	J	0.00423	J	0.0127	J	0.00408	U	0.00495	J
Date Collected			3/12/2020		3/12/2020		3/12/2020		3/12/2020		3/12/2020	
	Yellow shaded cells show values that are not detectable, but the detection limit exceeds the PCL's.											
	Green shaded cells indicate an analyte that was detected but below the PCL's.											
	Red shaded cells indicate an analyte that exceeded the PCL for groundwater protection.											
	Black shaded cells indicate an analyte that exceeded the PCL for Human Health											
	1. The U flag indicates the constituent is not detectable and the value shown is the Sample Quantitation Limit (SQL).											
	2. The J flag indicates the constituent was found at levels below the calibration range.											
	3. The b flag indicates the constituent was found in the method blank.											
	4. The PCLs are the limits for a residential Property and a 0.5 acre source area published in 30 TAC 350.											
	4. The b flag indicates the constituent was found in the method blank.											
	5. For metals, the background value is substituted for the critical PCL, when the Tier 1 PCL is more stringent.											

**Table III**  
**Summary of Soil Testing**  
**TPH Chlorides**

Analyte	Tier 1 Soil Leachate-to-Ground-water PCL (Residential- 0.5 Acre - GW-Soil-Ing)	TCEQ Residential Human Health PCL (Tier 1 - 0.5 Acre - Total Soil Combined)	B1/MW1 @ 0-2 ft mg/kg	Lab Flag	B1/MW1 @ 20-24 ft mg/kg	Lab Flag	B2 @ 0-2.5 ft mg/kg	Lab Flag	B2 @ 10-12 ft mg/kg	Lab Flag	B3 @ 0-2.5 ft mg/kg	Lab Flag
TPH C6-C12	65	1600	3.71	U	4.05	U	4.08	U	4.28	U	3.43	U
TPH C12-C28	200	2300	3.97	U	4.33	U	44.7		4.57	U	683	
TPH C28-C35	200	2300	3.97	U	4.33	U	4.36	U	4.57	U	361	
TPH C6-C35	200	2300	3.71	U	4.05	U	44.7		4.28	U	1040	
Chlorides	3000	3000	8.08	J	42.5		8.82	J	7.18	Jb	13.4	b
DATE COLLECTED			3/12/2020		3/12/2020		3/12/2020		3/12/2020		3/12/2020	
<b>NOTES</b>												
	Yellow shaded cells show values that are not detectable, but the detection limit exceeds the PCL's.											
	Green shaded cells indicate an analyte that was detected but below the PCL's.											
	Red shaded cells indicate an analyte that exceeded the PCL for groundwater protection.											
1.	The U flag indicates the constituent is not detectable and the value shown is the Sample Quantitation Limit (SQL).											
2.	The J flag indicates the constituent was found at concentrations below the instrument calibration range.											
3.	The b flag indicates the constituent was found in the method blank.											
4.	There are no published PCLs for Chlorides in 30 TAC 350. The PCL shown is the suggested RRC Limit.											
5.	PCL = Protective Concentration Levels published in 30 TAC 350, The Texas Risk Reduction Program.											

**Table III**  
**Summary of Soil Testing**  
**TPH Chlorides**

Analyte	Tier 1 Soil Leachate-to-Ground-water PCL (Residential- 0.5 Acre - GW-Soil-Ing)	TCEQ Residential Human Health PCL (Tier 1 - 0.5 Acre - Total Soil Combined)	B3 @ 12.5-16 ft mg/kg	Lab Flag	B4/MW2 @ 0-2.5 ft mg/kg	Lab Flag	B4/MW2 @ 30-35 ft mg/kg	Lab Flag	B5 @ 0-2.5 ft mg/kg	Lab Flag	B5 @ 12.5-15 ft mg/kg	Lab Flag
TPH C6-C12	65	1600	4.03	U	3.33	U	3.81	U	3.82	U	3.54	U
TPH C12-C28	200	2300	4.31	U	3.56	U	4.07	U	60.30		3.78	U
TPH C28-C35	200	2300	4.31	U	3.56	U	4.07	U	112.00		3.78	U
TPH C6-C35	200	2300	40.3	U	3.33	U	3.81	U	172		3.54	U
Chlorides	3000	3000	11.1	b	20.8	Jb	499	b	12.3	Jb	5.77	Jb
DATE COLLECTED			3/12/2020		3/12/2020		3/12/2020		3/12/2020		3/12/2020	
<b>NOTES</b>												
	Yellow shaded cells show values that are not detectable, but the detection limit exceeds the PCL's.											
	Green shaded cells indicate an analyte that was detected but below the PCL's.											
	Red shaded cells indicate an analyte that exceeded the PCL for groundwater protection.											
1.	The U flag indicates the constituent is not detectable and the value shown is the Sample Quantitation Limit (SQL).											
2.	The J flag indicates the constituent was found at concentrations below the instrument calibration range.											
3.	The b flag indicates the constituent was found in the method blank.											
4.	There are no published PCLs for Chlorides in 30 TAC 350. The PCL shown is the suggested RRC Limit.											
5.	PCL = Protective Concentration Levels published in 30 TAC 350, The Texas Risk Reduction Program.											

**Table IV**  
**Summary of Soil Testing**  
**SVOCS**

Constituent	Human Health PCL (Tot-Soil-Comb)	Ground-Water Protect-ion PCL (Gw-Soil-Ing)	B1/MW1 @ 0-2.5 ft mg/kg	Lab Flag	B1/MW1 @ 20-24 ft mg/kg	Lab Flag	B2 @ 0-2.5 ft mg/kg	Lab Flag	B2 @ 12.5-15 ft mg/kg	Lab Flag	B3 @ 0-2.5 ft mg/kg	Lab Flag
Acenaphthene	3000	240	0.0872	U	0.00196	U	0.0176	U	0.00169	U	0.00623	U
Acenaphthylene	3800	410	0.0606	U	0.00136	U	0.0123	U	0.00117	U	0.00108	U
Anthracene	18000	6900	0.0775	U	0.00174	U	0.0157	U	0.0015	U	0.00139	U
Benzo(a)anthracene	41	130	0.0836	U	0.00187	U	0.0169	U	0.00162	U	0.0015	U
Benzo(b)fluoranthene	42	440	1.14	J	0.00234	U	0.0211	U	0.00202	U	0.00157	U
Benzo(k)fluoranthene	420	4500	0.614	J	0.00202	U	0.0183	U	0.00175	U	0.00162	U
Benzo(g,h,i)perylene	1800	46000	1.28	J	0.00689	U	0.0621	U	0.00596	U	0.0055	U
Benzo(a)pyrene	4.1	7.6	0.857	J	0.00219	U	0.0197	U	0.00189	U	0.00175	U
Bis(2-chloroethoxy)methane	3.1	0.012	0.086	U	0.00193	U	0.0174	U	0.00167	U	0.00154	U
Bis(2-chloroethyl)ether	2.2	0.0021	0.0999	U	0.00224	U	0.0202	U	0.00193	U	0.00179	U
Bis (2-ethylhexyl) phthalate	43	160	0.325	U	0.01	J	0.0658	U	0.0063	U	0.076	U
4-Bromophenyl ether	0.28	0.35	0.172	U	0.00386	U	0.0348	U	0.00333	U	0.00308	U
Butyl benzyl phthalate	1600	260	0.375	U	0.00841	U	0.0758	U	0.00726	U	0.00672	U
4-Chloroaniline	23	0.021	0.353	U	0.00791	U	0.0713	U	0.00682	U	0.00631	U
2-Chloronaphthalene	5000	670	0.0733	U	0.00164	U	0.0148	U	0.00142	U	0.00131	U
4-Chlorophenyl phenyl ether	0.16	0.032	0.109	U	0.00245	U	0.0221	U	0.00211	U	0.00195	U
Carbazole	230	4.6	0.189	U	0.00424	U	0.0382	U	0.00366	U	0.00338	U
Chrysene	4100	11000	0.0618	U	0.00139	U	0.0125	U	0.0012	U	0.00111	U
Di-n-butyl phthalate	6200	3300	0.157	U	0.00352	U	0.0317	U	0.00304	U	0.00281	U
Dibenz(a,h)anthracene	4	15	0.22	U	0.00493	U	0.0445	U	0.00426	U	0.00394	U
Dibenzofuran	270	33	0.108	U	0.00242	U	0.0218	U	0.00209	U	0.00193	U
3,3'-Dichlorobenzidine	10	0.063	0.615	U	0.0136	U	0.124	U	0.0119	U	0.011	U
Diethyl phthalate	53000	160	0.511	U	0.0115	U	0.103	U	0.00989	U	0.00915	U
Dimethyl phthalate	53000	62	0.296	U	0.00664	U	0.0599	U	0.00573	U	0.0053	U
2,4-Dinitrotoluene	6.9	0.0053	0.219	U	0.0049	U	0.0442	U	0.00423	U	0.00392	U
Di-n-octyl phthalate	640	810000	0.115	U	0.00258	U	0.0233	U	0.00223	U	0.00206	U
Fluoranthene	2300	1900	1.55	J	0.00423	U	0.0381	U	0.00365	U	0.0111	U
Fluorene	2300	300	0.143	U	0.00321	U	0.0289	U	0.00277	U	0.00256	U
Hexachlorobenzene	1.1	1.1	0.0921	U	0.00207	U	0.0186	U	0.00178	U	0.00165	U
Hexachlorocyclopentadiene	14	19	0.279	U	0.00626	U	0.0565	U	0.00541	U	0.005	U
Hexachloroethane	46	1.3	0.14	U	0.00314	U	0.0283	U	0.00271	U	0.00251	U
Hexachlorobutadiene	20	3.3	0.116	U	0.00261	U	0.0235	U	0.00225	U	0.00208	U
Indeno(1,2,3-cd)pyrene	42	1300	1.03	J	0.00476	U	0.0429	U	0.0041	U	0.0038	U
Isophorone	4900	3	0.0606	U	0.00136	U	0.0123	U	0.00117	U	0.00108	U
2-Methylnaphthalene	250	17	0.166	U	0.00372	U	0.0336	U	0.00321	U	0.0205	J
Naphthalene	220	31	0.0818	U	0.00183	U	0.0165	U	0.00158	U	0.00146	U
2-Nitroaniline	14	0.022	0.296	U	0.00664	U	0.0599	U	0.00573	U	0.0053	U
3-Nitroaniline	15	0.026	0.433	U	0.00971	U	0.0876	U	0.00838	U	0.00776	U
4-Nitroaniline	220	0.11	0.675	U	0.0151	U	0.137	U	0.0131	U	0.0121	U
Nitrobenzene	66	0.35	0.179	U	0.00402	U	0.0363	U	0.00347	U	0.00321	U
N-Nitrosodiphenylamine	570	2.8	0.114	U	0.00257	U	0.0232	U	0.00222	U	0.00205	U
N-Nitrosodi-n-propylamine	0.4	0.00035	0.134	U	0.00302	U	0.0272	U	0.0026	U	0.00241	U
Phenanthrene	1700	420	0.431	J	0.00673	U	0.0606	U	0.0058	U	0.0703	
Pyrene	1700	1100	1.35	J	0.00249	U	0.0224	U	0.00215	U	0.0247	J
4-Chloro-3-methylphenol	330	4.5	0.944	U	0.00212	U	0.191	U	0.0183	U	0.0169	U
2-Chlorophenol	410	1.6	0.119	U	0.00268	U	0.0241	U	0.00231	U	0.00214	U
2-Methylphenol	3300	7.1	0.196	U	0.00439	U	0.0396	U	0.00379	U	0.0035	U
3 & 4 Methylphenol	330	0.63	0.169	U	0.00379	U	0.0342	U	0.00327	U	0.00303	U
2,4-Dichlorophenol	200	0.35	0.234	U	0.00526	U	0.0474	U	0.00454	U	0.0042	U
2,4-Dimethylphenol	1300	3.2	0.52	U	0.0117	U	0.105	U	0.0101	U	0.00931	U
4,6-Dinitro-2-methylphenol	6.7	0.0047	0.302	U	0.00677	U	0.061	U	0.00584	U	0.0054	U
2,4-Dinitrophenol	130	0.094	0.286	U	0.00641	U	0.0578	U	0.00553	U	0.00512	U
2-Nitrophenol	130	0.13	0.236	U	0.00528	U	0.0477	U	0.00456	U	0.00422	U
4-Nitrophenol	130	0.1	0.308	U	0.0069	U	0.0622	U	0.00596	U	0.00551	U
Pentachlorophenol	0.73	0.018	0.242	U	0.00543	U	0.049	U	0.00469	U	0.00434	U
Phenol	1800	19	0.257	U	0.00576	U	0.0519	U	0.00497	U	0.0046	U
2,4,5-Trichlorophenol	6700	34	0.606	U	0.0136	U	0.123	U	0.0117	U	0.0109	U
2,4,6-Trichlorophenol	67	0.17	0.162	U	0.00364	U	0.0328	U	0.00314	U	0.00291	U
2,6-Dinitrotoluene	6.9	0.0048	0.179	U	0.00401	U	0.0361	U	0.00346	U	0.0032	U
bis (2-Chloroisopropyl) ether	51	0.19	0.535	U	0.012	U	0.108	U	0.0104	U	0.00959	U
1,1'-Biphenyl	12000	2500	0.242	U	0.00543	U	0.049	U	0.0469	U	0.00483	J
Acetophenone	6700	8.2	0.2	U	0.00448	U	0.0404	U	0.00387	U	0.00358	U
Date Collected					3/12/2020		3/12/2020		3/12/2020		3/12/2020	

**Notes:**

Yellow shaded cells show values that are not detectable, but the detection limit exceeds the PCL's.

Green shaded cells indicate an analyte that was detected but below the PCL's.

Red shaded cells indicate an analyte that exceeded the PCL for groundwater protection.

1. The PCLs are the limits for a residential Property and a 0.5 acre source area published in 30 TAC 350.

2. U -This lab flag indicates the constituent is not detectable and the value shown is the Sample Quantitation Limit (SQL).

3. \* - This flag indicates the LCS or LCSD exceeds the control limits.

4. J - This flag indicates the constituent was found at concentrations below the instrument calibration range.

5. b - This flag indicates the constituent was found in the method blank.

**Table IV**  
**Summary of Soil Testing**  
**SVOCS**

Constituent	Human Health PCL (Tot-Soil-Comb)	Ground-Water Protect-ion PCL (Gw-Soil-Ing)	B3 @ 12.5-16 ft mg/kg	Lab Flag	B4/MW2 @ 0-2.5 ft mg/kg	Lab Flag	B4/MW2 @ 30-35 ft mg/kg	Lab Flag	B5 @ 0-2.5 ft mg/kg	Lab Flag	B5 @ 12.5-15 ft mg/kg	Lab Flag
Acenaphthene	3000	240	0.00169	U	0.0165	U	0.00189	U	0.00169	U	0.00174	U
Acenaphthylene	3800	410	0.00117	U	0.0114	U	0.00131	U	0.00118	U	0.00121	U
Anthracene	18000	6900	0.00015	U	0.0147	U	0.00168	U	0.00151	U	0.00155	U
Benzo(a)anthracene	41	130	0.00162	U	0.0158	U	0.00181	U	0.0269	J	0.00167	U
Benzo(b)fluoranthene	42	440	0.00202	U	0.0197	U	0.00226	U	0.0465		0.00208	U
Benzo(k)fluoranthene	420	4500	0.00175	U	0.0171	U	0.00196	U	0.0163	J	0.0018	U
Benzo(g,h,i)perylene	1800	46000	0.00596	U	0.0581	U	0.00666	U	0.0228	J	0.00613	U
Benzo(a)pyrene	4.1	7.6	0.00189	U	0.0184	U	0.00211	U	0.0244	J	0.00195	U
Bis(2-chloroethoxy)methane	3.1	0.012	0.00167	U	0.0163	U	0.00186	U	0.0167	U	0.00172	U
Bis(2-chloroethyl)ether	2.2	0.0021	0.00194	U	0.0189	U	0.00217	U	0.0194	U	0.00199	U
Bis (2-ethylhexyl) phthalate	43	160	0.0219	J	0.25	J	0.0134	J	0.0898	J	0.0087	J
4-Bromophenyl ether	0.28	0.35	0.00334	U	0.0325	U	0.00373	U	0.00334	U	0.00343	U
Butyl benzyl phthalate	1600	260	0.00727	U	0.0709	U	0.00813	U	0.00728	U	0.00748	U
4-Chloroaniline	23	0.021	0.00684	U	0.0666	U	0.00764	U	0.00684	U	0.00704	U
2-Chlorophthalene	5000	670	0.00142	U	0.0139	U	0.00159	U	0.00142	U	0.00146	U
4-Chlorophenyl phenyl ether	0.16	0.032	0.00211	U	0.0206	U	0.00236	U	0.00212	U	0.00218	U
Carbazole	230	4.6	0.00367	U	0.0357	U	0.0041	U	0.00367	U	0.00377	U
Chrysene	4100	11000	0.0012	U	0.0117	U	0.00134	U	0.0367	J	0.00123	U
Di-n-butyl phthalate	6200	3300	0.00514	J	0.0297	U	0.0034	U	0.00305	U	0.00313	U
Dibenz(a,h)anthracene	4	15	0.00426	U	0.0416	U	0.00477	U	0.00427	U	0.00439	U
Dibenzofuran	270	33	0.00209	U	0.0204	U	0.00234	U	0.00208	U	0.00215	U
3,3'-Dichlorobenzidine	10	0.063	0.0119	U	0.116	U	0.0133	U	0.0119	U	0.0123	U
Diethyl phthalate	53000	160	0.0099	U	0.0965	U	0.0111	U	0.00991	U	0.0102	U
Dimethyl phthalate	53000	62	0.00575	U	0.056	U	0.00642	U	0.00575	U	0.00591	U
2,4-Dinitrotoluene	6.9	0.0053	0.00424	U	0.0413	U	0.00474	U	0.00425	U	0.00436	U
Di-n-octyl phthalate	640	810000	0.00223	U	0.0218	U	0.00249	U	0.00223	U	0.0023	U
Fluoranthene	2300	1900	0.00365	U	0.0356	U	0.00408	U	0.079	U	0.00376	U
Fluorene	2300	300	0.00277	U	0.027	U	0.0031	U	0.00278	U	0.00285	U
Hexachlorobenzene	1.1	1.1	0.00179	U	0.0174	U	0.002	U	0.00179	U	0.00184	U
Hexachlorocyclopentadiene	14	19	0.00542	U	0.0528	U	0.00605	U	0.00542	U	0.00557	U
Hexachloroethane	46	1.3	0.00271	U	0.0264	U	0.00303	U	0.00272	U	0.00279	U
Hexachlorobutadiene	20	3.3	0.00226	U	0.022	U	0.00252	U	0.00226	U	0.00232	U
Indeno(1,2,3-cd)pyrene	42	1300	0.00411	U	0.0401	U	0.0046	U	0.0205	J	0.00423	U
Isophorone	4900	3	0.00117	U	0.0114	U	0.00131	U	0.0118	U	0.00121	U
2-Methylnaphthalene	250	17	0.00322	U	0.0314	U	0.0036	U	0.0322	U	0.00331	U
Naphthalene	220	31	0.00159	U	0.0155	U	0.00177	U	0.00159	U	0.00163	U
2-Nitroaniline	14	0.022	0.00575	U	0.056	U	0.00642	U	0.00575	U	0.00591	U
3-Nitroaniline	15	0.026	0.0084	U	0.0819	U	0.00939	U	0.00841	U	0.00864	U
4-Nitroaniline	220	0.11	0.0131	U	0.128	U	0.0146	U	0.0131	U	0.0135	U
Nitrobenzene	66	0.35	0.00348	U	0.0339	U	0.00389	U	0.00348	U	0.00358	U
N-Nitrosodiphenylamine	570	2.8	0.00222	U	0.0216	U	0.00248	U	0.00222	U	0.00229	U
N-Nitrosodi-n-propylamine	0.4	0.00035	0.00261	U	0.0254	U	0.00291	U	0.00261	U	0.00268	U
Phenanthrene	1700	420	0.00582	U	0.0567	U	0.0065	U	0.0329	J	0.00598	U
Pyrene	1700	1100	0.00215	U	0.0363	J	0.0024	U	0.0675		0.00221	U
4-Chloro-3-methylphenol	330	4.5	0.0183	U	0.176	U	0.0205	U	0.0183	U	0.0188	U
2-Chlorophenol	410	1.6	0.00231	U	0.0226	U	0.00259	U	0.0232	U	0.00238	U
2-Methylphenol	3300	7.1	0.0038	U	0.037	U	0.00424	U	0.0038	U	0.00391	U
3 & 4 Methylphenol	330	0.63	0.00328	U	0.0319	U	0.00366	U	0.00328	U	0.00337	U
2,4-Dichlorophenol	200	0.35	0.00455	U	0.0443	U	0.00508	U	0.00455	U	0.00468	U
2,4-Dimethylphenol	1300	3.2	0.0101	U	0.0982	U	0.0113	U	0.0101	U	0.0104	U
4,6-Dinitro-2-methylphenol	6.7	0.0047	0.00585	U	0.057	U	0.00654	U	0.00586	U	0.00602	U
2,4-Dinitrophenol	130	0.094	0.00555	U	0.054	U	0.00602	U	0.00555	U	0.00571	U
2-Nitrophenol	130	0.13	0.00457	U	0.0445	U	0.00511	U	0.00457	U	0.0047	U
4-Nitrophenol	130	0.1	0.00597	U	0.0582	U	0.00667	U	0.00597	U	0.00614	U
Pentachlorophenol	0.73	0.018	0.0047	U	0.0458	U	0.00525	U	0.0047	U	0.00484	U
Phenol	1800	19	0.00498	U	0.0485	U	0.00557	U	0.00499	U	0.00513	U
2,4,5-Trichlorophenol	6700	34	0.0118	U	0.115	U	0.0131	U	0.0118	U	0.0121	U
2,4,6-Trichlorophenol	67	0.17	0.00315	U	0.0307	U	0.00352	U	0.00315	U	0.00324	U
2,6-Dinitrotoluene	6.9	0.0048	0.00347	U	0.0338	U	0.00387	U	0.00347	U	0.00357	U
bis (2-Chloroisopropyl) ether	51	0.19	0.0104	U	0.101	U	0.0116	U	0.0104	U	0.0107	U
1,1'-Biphenyl	12000	2500	0.0047	U	0.0458	U	0.00525	U	0.0047	U	0.00484	U
Acetophenone	6700	8.2	0.0388	U	0.0378	U	0.00433	U	0.0067	J	0.00399	U
Date Collected												

**Notes:**

Yellow shaded cells show values that are not detectable, but the detection limit exceeds the PCL's.

Green shaded cells indicate an analyte that was detected but below the PCL's.

Red shaded cells indicate an analyte that exceeded the PCL for groundwater protection.

1. The PCLs are the limits for a residential Property and a 0.5 acre source area published in 30 TAC 350.

2. U -This lab flag indicates the constituent is not detectable and the value shown is the Sample Quantitation Limit (SQL).

3. \* - This flag indicates the LCS or LCSD exceeds the control limits.

4. J - This flag indicates the constituent was found at concentrations below the instrument calibration range.

5. b - This flag indicates the constituent was found in the method blank.

**Table V**  
**Summary of Groundwater Testing**  
**Volatiles**

Analyte	TCEQ Groundwater Ingestion PCL <sub>GW</sub> <sub>GW<sub>ing</sub></sub> mg/l	MW1 (B1) mg/l	Lab Flag	MW2 (B4) mg/l	Lab Flag
Acetone	22	0.00601		0.00124	J
Benzene	0.005	0.000251	J	0.000325	J
Chlorobromomethane	0.98	0.000162	U	0.000162	U
Bromoform	0.08	0.000151	U	0.000151	U
Bromomethane	0.034	0.00025	U	0.00025	U
2-Butanone (MEK)	15	0.00078	U	0.00076	U
Carbon disulfide	2.4	0.000216	U	0.000216	U
Carbon tetrachloride	0.005	0.000183	U	0.000183	U
Dibromochloromethane	0.08	0.000119	U	0.000119	U
Chlorobenzene	0.1	0.00893		0.000185	U
Chloroethane	9.8	0.00024	U	0.00024	U
Chloroform	0.08	0.00137		0.00441	
Chloromethane	0.07	0.000209	U	0.000209	U
1,1-Dichloroethane	4.9	0.000168	U	0.000168	U
1,2-Dichloroethane	0.005	0.000116	U	0.000116	U
1,1-Dichloroethene	0.007	0.000718	J	0.000277	J
trans-1,2-Dichloroethene	0.1	0.00139		0.000285	J
1,2-Dichloropropane	0.005	0.000136	U	0.000136	U
cis-1,3-Dichloropropene	0.0017	0.00016	U	0.00016	U
trans-1,3-Dichloropropene	0.0091	0.000137	U	0.000137	U
Ethylbenzene	0.7	0.000212	U	0.000212	U
2-Hexanone	0.12	0.000265	U	0.000265	U
Methylene Chloride	0.005	0.000396	Jb	0.000256	Jb
4-Methyl-2-pentanone (MIBK)	2	0.000348	U	0.000348	U
Styrene	0.1	0.000743	J	0.000175	U
1,1,2,2-Tetrachloroethane	0.035	0.000197	U	0.000197	U
Tetrachloroethene	0.005	0.000359	J	0.000333	U
Toluene	1	0.000198	U	0.000198	U
1,1,1-Trichloroethane	0.2	0.000209	U	0.000209	U
1,1,2-Trichloroethane	0.005	0.000209	U	0.000209	U
Trichloroethene	0.005	1.060		0.405	
Vinyl acetate	47	0.000854	U	0.000854	U
Vinyl chloride	0.002	0.000248	U	0.000248	U
o-Xylene	10	0.000381	J	0.000192	U
m,p-Xylene	10	0.000413	J	0.000205	U
Xylenes, total	6000	0.000794	J	0.000366	U
cis-1,2-Dichloroethene	0.07	0.00944		0.00191	
Bromodichloromethane	0.08	0.000153	U	0.000153	U
1,2-Dichloroethene, total	NA	0.0108		0.0022	
Methyl tert-butyl ether	4.9	0.000105	U	0.000105	U

Date Collected	3/17/2020	3/17/2020		
<b>NOTES</b>				
	Green shading shows the analyte was detectable at levels below the PCL.			
	Red shading shows the analyte was detected at levels above the PCL.			
	Yellow shading shows the analyte was not detected but the detection limit exceeds the PCL.			
1. U, This lab flag indicates the analyte was not detected and the value shown is the Method Detection Limit.				
2. J, This lab flag indicates the analyte was detected at levels below the instrument calibration range.				
3. NT stands for "Not Tested".				

**Table VI**  
**Summary of Groundwater Testing**  
**Metals, TPH, Chlorides, TDS**

Constituent	Tier 1 Groundwater Ingestion PCL (Residential- 0.5 Acre - GW GW <sub>Ing</sub> )	MW1 (B1) mg/L	Lab Flag	MW2 (B4) mg/L	Lab Flag
<b>Metals</b>					
Lead	0.015	0.00219	U	0.00219	U
Chromium	0.1	0.00530	J	0.00270	J
Cadmium	0.005	0.00140	J	0.00100	J
Barium	2	0.11800		0.06170	
Arsenic	0.01	0.00285	U	0.00285	U
Silver	0.12	0.00129	U	0.00129	U
Selenium	0.05	0.00287	U	0.00287	U
Mercury	0.002	0.000103	U	0.00010	U
<b>TPH</b>					
C6-C12	0.98	0.732	U	0.741	U
>C12-C28	0.98	0.847	U	0.857	U
>C28-C35	0.98	0.847	U	0.857	U
C6-C35	2.19	0.732	U	0.741	U
<b>Chlorides</b>	300	1290		3910	
<b>TDS</b>	NA	7970		7850	
Date Collected		3/17/2020		3/17/2020	
<b>NOTES</b>					
	Yellow shaded cells show values that are not detectable, but the detection limit exceeds the PCL's.				
	Green shaded cells indicate an analyte that was detected but below the PCL's.				
	Red shaded cells indicate an analyte that exceeded the PCL for groundwater protection.				
1.	The U flag indicates the constituent is not detectable and the value shown is the Sample Quantitation Limit (SQL).				
2.	The J flag indicates the constituent was found at levels below the calibration range.				
3.	The b flag indicates the constituent was found in the method blank.				
4.	The Action Levels are the limits published in 30 TAC 350 for soil - (GW-Soil -Ing - Residential - 0.5 Acre).				
4.	The b flag indicates the constituent was found in the method blank.				
5.	For metals, the background value is substituted for the critical PCL, when the PCL is more stringent.				

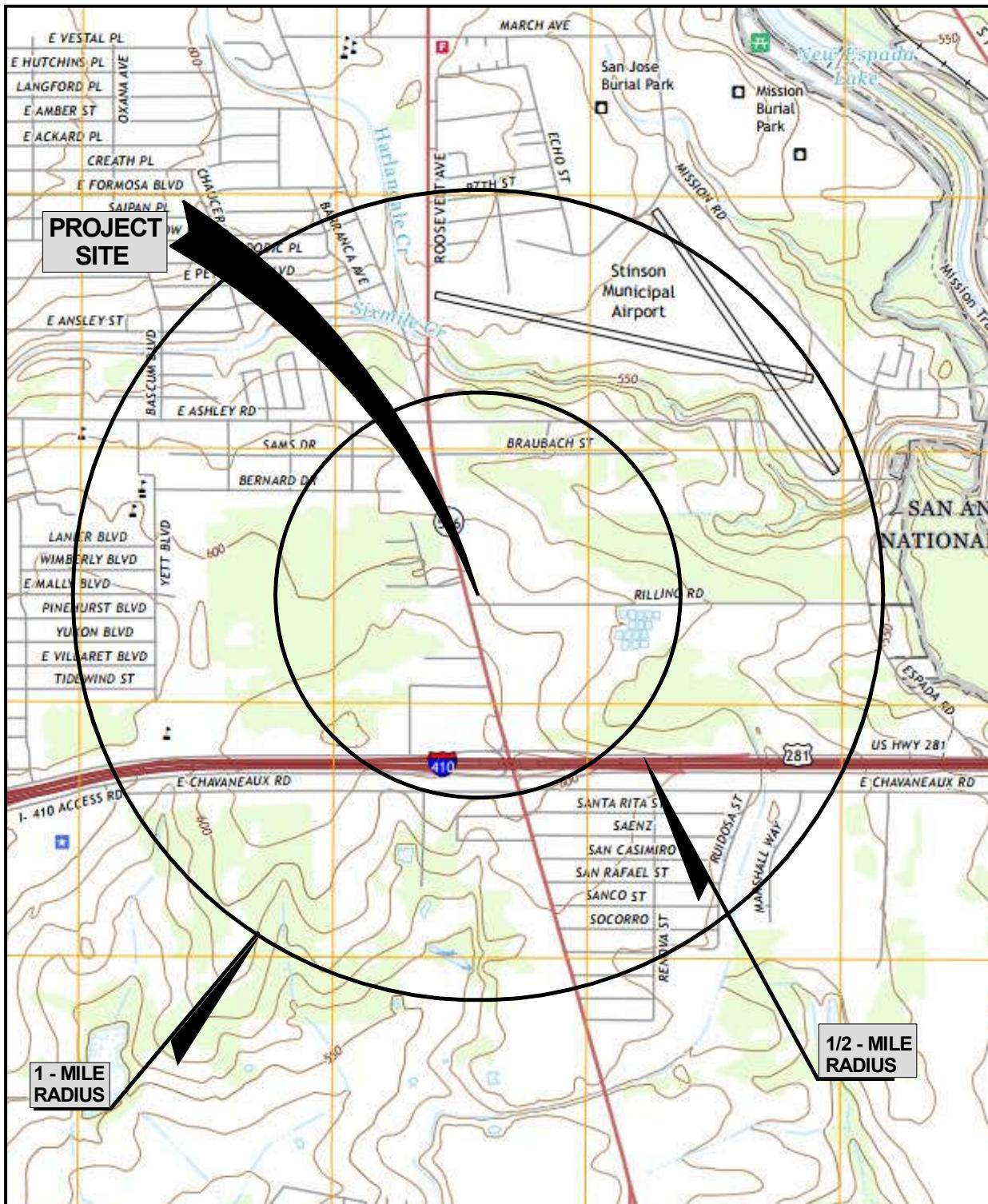
**Table VII**  
**Summary of Groundwater Testing**  
**SVOCs**

Constituent	TCEQ Groundwater Ingestion PCL ( <sup>GW</sup> <sub>GW<sub>ing</sub></sub> ) mg/L	MW1 (B1) mg/L	Lab Flag	MW2 (B4) mg/L	Lab Flag
Acenaphthene	1.5	0.00016	U	0.000154	U
Acenaphthylene	1.5	0.00016	U	0.000154	U
Anthracene	7.3	0.00044	U	0.000423	U
Benzo(a)anthracene	0.0091	0.00025	U	0.00024	U
Benzo(b)fluoranthene	0.0091	0.00018	U	0.000173	U
Benzo(k)fluoranthene	0.091	0.00016	U	0.000154	U
Benzo(g,h,i)perylene	0.73	0.00035	U	0.000337	U
Benzo(a)pyrene	0.0002	0.00013	U	0.000164	J
Bis(2-chloroethoxy)methane	0.00083	0.00019	U	0.000183	U
Bis(2-chloroethyl)ether	0.00083	0.00018	U	0.000173	U
Bis (2-ethylhexyl) phthalate	0.006	0.00287		0.000567	U
4-Bromophenyl phenyl ether	0.000061	0.00025	U	0.00024	U
Butyl benzyl phthalate	0.48	0.00085	U	0.000817	U
4-Chloroaniline	0.0046	0.00011	U*	0.000106	U*
2-Chloronaphthalene	2	0.00019	U	0.000183	U
4-Chlorophenyl phenyl ether	0.000061	0.00023	U	0.000221	U
Carbazole	0.046	0.00035	U	0.000337	U*
Chrysene	0.046	0.00024	U	0.000231	U
Di-n-butyl phthalate	2.4	0.00187	U	0.0018	U
Dibenz(a,h)anthracene	0.0002	0.00029	U	0.000279	U
Dibenzofuran	0.098	0.000281	J	0.000154	U
3,3'-Dichlorobenzidine	0.002	0.00032	U	0.000308	U
Diethyl phthalate	20	0.00419	U	0.00403	U
Dimethyl phthalate	20	0.00018	U	0.000173	U
2,4-Dinitrotoluene	0.0013	0.00032	U	0.000308	U
Di-n-octyl phthalate	0.24	0.00039	Jb	0.000293	J
Fluoranthene	0.98	0.00031	U	0.000298	U
Fluorene	0.98	0.00012	U	0.000115	U
Hexachlorobenzene	0.001	0.00025	U	0.00024	U
Hexachlorocyclopentadiene	0.05	0.00015	U	0.000144	U
Hexachloroethane	0.017	0.00017	U	0.000163	U
Hexachlorobutadiene	0.012	0.00019	U	0.000183	U
Indeno(1,2,3-cd)pyrene	0.0091	0.00029	U	0.000279	U
Isophorone	0.96	0.00015	U	0.000144	U
2-Methylnaphthalene	0.098	0.00014	U	0.000135	U
Naphthalene	0.49	0.00016	U	0.000154	U
2-Nitroaniline	0.0073	0.00035	U	0.000337	U
3-Nitroaniline	0.0073	0.00013	U	0.000125	U
4-Nitroaniline	0.046	0.00023	U*	0.000221	U*
Nitrobenzene	0.049	0.0002	U	0.000192	U
N-Nitrosodiphenylamine	0.19	0.00033	U	0.000317	U
N-Nitrosodi-n-propylamine	0.00013	0.00024	U	0.000231	U
Phenanthrene	0.73	0.00029	U	0.000279	U
Pyrene	0.73	0.00033	U	0.000317	U
4-Chloro-3-methylphenol	0.12	0.00025	U	0.00024	U
2-Chlorophenol	0.12	0.00022	U	0.000212	U

**Table VII**  
**Summary of Groundwater Testing**  
**SVOCs**

Constituent	TCEQ Groundwater Ingestion PCL ( <sup>GW</sup> GW <sub>Ing</sub> ) mg/L	MW1 (B1) mg/L	Lab Flag	MW2 (B4) mg/L	Lab Flag
2-Methylphenol	1.2	0.00019	U	0.000183	U
3 & 4 Methylphenol	1.2	0.00016	U	0.000154	U
2,4-Dichlorophenol	0.073	0.00026	U	0.00025	U
2,4-Dimethylphenol	0.49	0.00018	U	0.000173	U
4,6-Dinitro-2-methylphenol	0.0024	0.00016	U	0.000154	U
2,4-Dinitrophenol	0.0024	0.0004	U	0.000385	U*
2-Nitrophenol	0.049	0.00022	U	0.000212	U
4-Nitrophenol	0.049	0.00033	U	0.000317	U
Pentachlorophenol	0.001	0.00096	U	0.000923	U
Phenol	7.3	0.00014	U	0.000135	U
2,4,5-Trichlorophenol	2.4	0.00029	U	0.000279	U
2,4,6-Trichlorophenol	0.024	0.00033	U	0.000317	U
2,6-Dinitrotoluene	0.0013	0.00029	U	0.000279	U
bis (2-Chloroisopropyl) ether	2.4	0.00018	U	0.000173	U
1,1'-Biphenyl	12	0.00073	U	0.000702	U
Acetophenone	2.4	0.00068	U	0.000654	U
Date Collected		3/17/2020		3/17/2020	
<b>Notes:</b>					
		Yellow shaded cells show values that are not detectable, but the detection limit			
		Green shaded cells indicate an analyte that was detected but below the PCL's.			
		Red shaded cells indicate an analyte that exceeded the PCL for groundwater			
1.	The Action Levels are the groundwater ingestion protection standard (GW-Soil- Ing) and human health protection				
2.	U -This lab flag indicates the constituent is not detectable and the value shown is the Sample Quantitation Limit				
3.	* - This flag indicates the LCS or LCSD exceeds the control limits.				
4.	J - This flag indicates the constituent was found at concentrations below the instrument calibration range.				
5.	b - This flag indicates the constituent was found in the method blank.				

## **FIGURES**

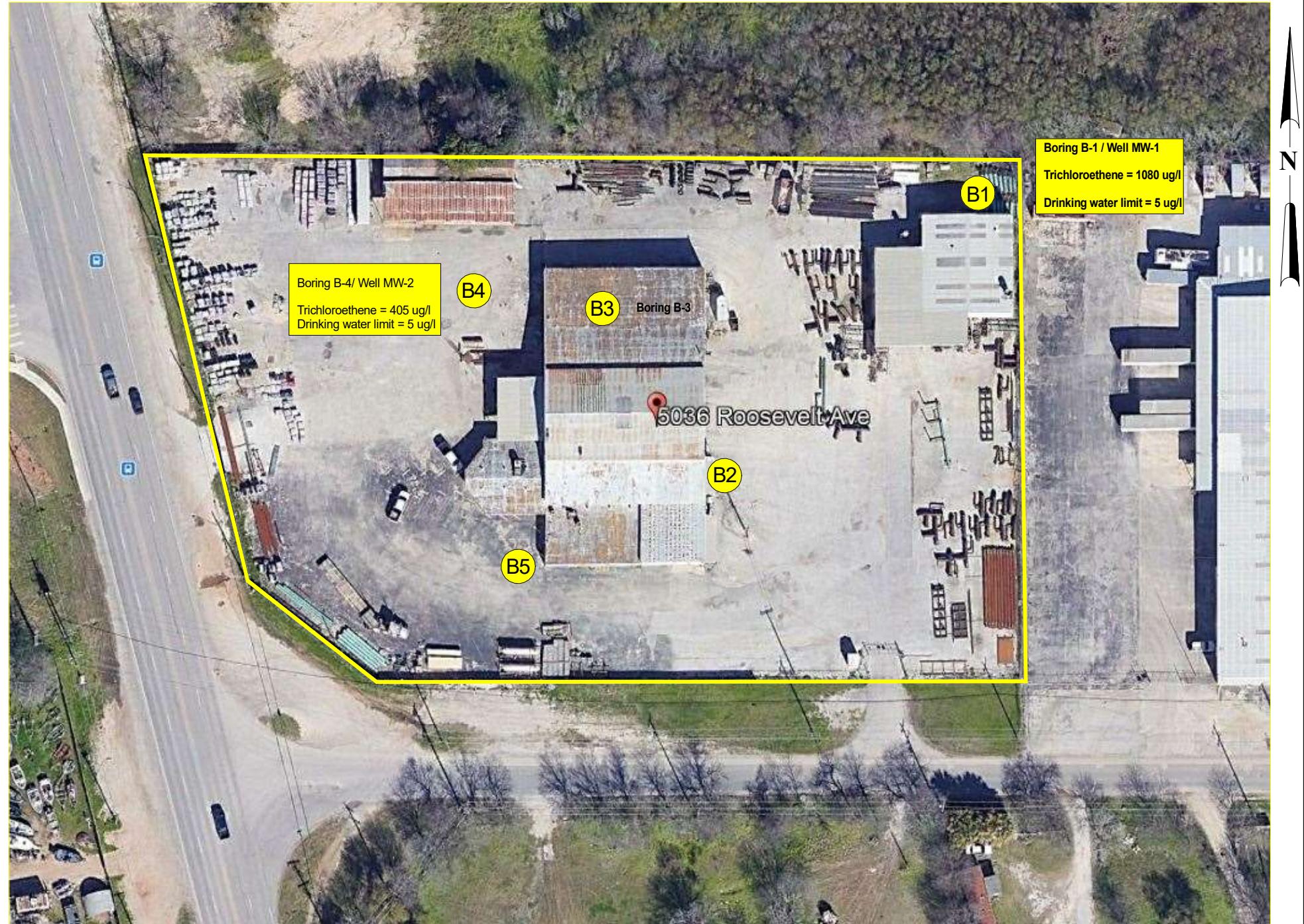


202105

**STC**

Environmental Services Inc.  
Geologists and Environmental Scientists

**SITE VICINITY MAP**



**APPENDIX A  
SITE PHOTOGRAPHS**



**PHOTO 1:** Location of boring/monitor well B1/MW1; photograph facing southeast.



**PHOTO 2:** Location of boring/monitor well B1/MW1; photograph facing southeast.

**STC**

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**PHOTO 3:** Location of boring B2; photograph facing south.

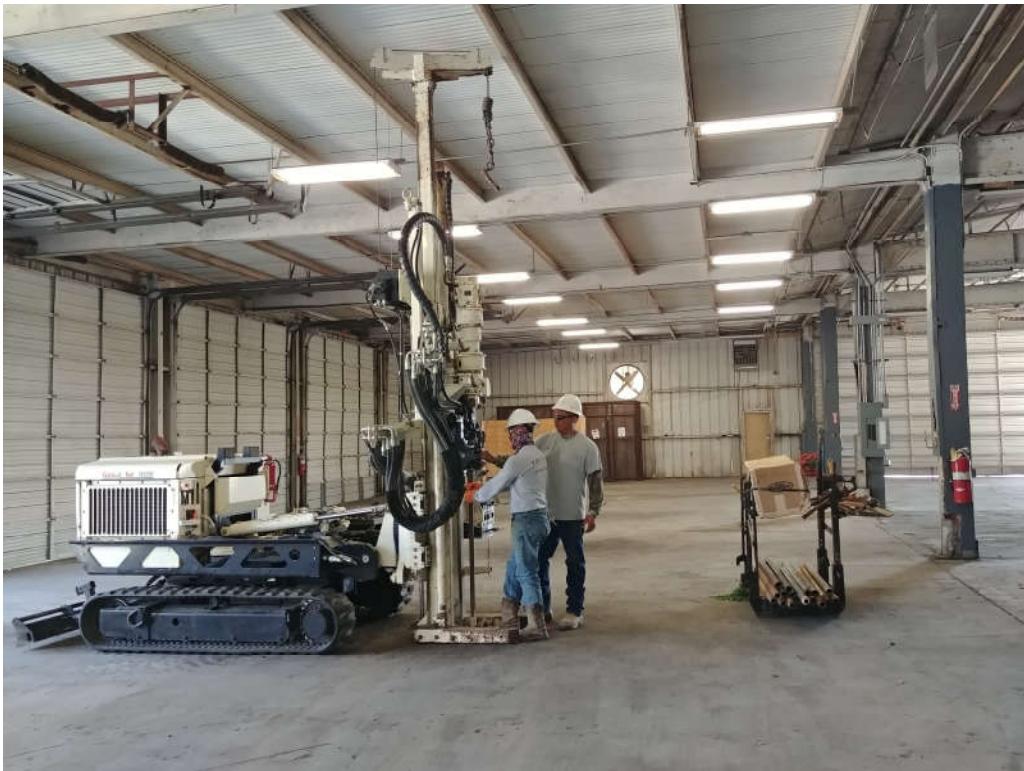


**PHOTO 4:** Location of boring B2; photograph facing northwest.

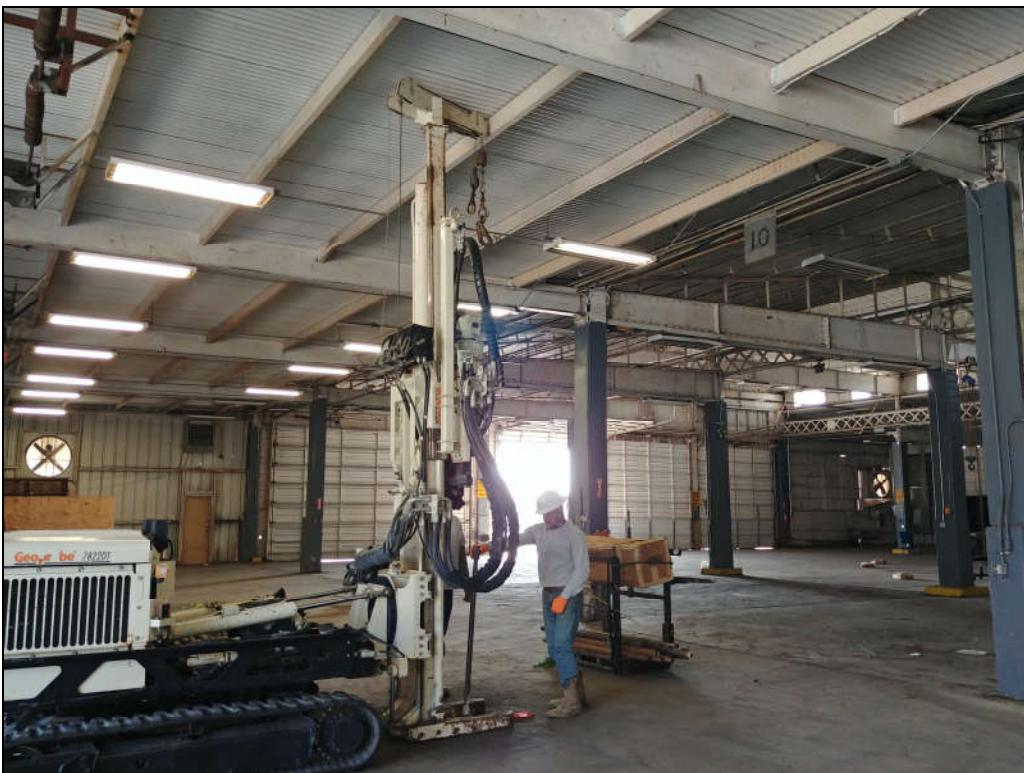
**STC**

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**PHOTO 5:** Location of boring B3; photograph facing east.



**PHOTO 6:** Location of boring B3; photograph facing southeast.

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**PHOTO 7:** Location of boring/monitor well B4/MW2; photograph facing northwest.



**PHOTO 8:** Location of boring/monitor well B4/MW2; photograph facing west.

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**PHOTO 9:** Location of boring B5; photograph facing northeast.



**PHOTO 10:** Location of boring B5; photograph facing east.

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**APPENDIX B  
BORING LOGS AND DRILLER'S REPORTS**

**LOG OF EXPLORATORY BORING OR MONITORING WELL**  
**B1/MW1**

Client:	Site Address				Sheet: 1 of 1		
Willcox Metal, Inc.	5036 Roosevelt				Monitor well installed?		
STC Job No:	202105	Drilling Company:	Vortex		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Site Name:	Former Janoe Trucking	Driller:	Heriberto Martinez		Water encountered during drilling? At well completion		
Date Drilled:	3/12/2020	Drilling Method:	DPT/Soild Flight Augers		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Logged By:	Jahna Jahns	Sampling Method:	Split Spoon		Initial Depth:	36.40	Date: Time
Comments: Located near the northeast corner of the property, immediately north of the small warehouse building					Later Depth:	NA	Date: Time
Depth (ft)	Sample Type	Lab sample Interval	PID Reading (ppb)	Recovery	Description		Depth (ft)
1	2.5 foot core tube	0-2.5	0	100%	Fill Material to 1.5 feet		
2							
3							
4	2.5 foot core tube	2.5-5	0	100%	CLAY, dark brown, with iron staining from 3 feet		
5							
6	2.5 foot core tube	5-7.5	0	100%			
7							
8	2.5 foot core tube	7.5-10	0	100%	SILTY CLAY, orangish tan, calcareous, with brick red sanstone lense at 8.5 feet and light tan limestone lense at 10 feet		
9							
10							
11	2.5 foot core tube	10-12.5	0	100%			
12							
13							
14	2.5 foot core tube	12.5-15	0	100%	CLAYEY SILT, tan and gray, calcareous		
15							
16	2.5 foot core tube	15-17.5	0	100%			
17							
18	2.5 foot core tube	17.5-20	0	100%			
19							
20							
21							
22	4.0 foot core tube	20-24	2894	100%			
23							
24					SILTY CLAY, tan and gray, stiff		
25							
26	4.0 foot core tube	24-28	2452	100%			
27							
28	1.0 foot core tube	28-29	1233	100%	SILT, orangish tan, water at 28		
29							
30							
31	Auger Cuttings	39-35	951	100%	SILTY CLAY, tan and gray, stiff		
32							
33							
34							
35					2 inch Groundwater Monitoring Well installed at 35 feet - screened from 5 feet to 35 feet		

# LOG OF EXPLORATORY BORING OR MONITORING WELL

**B2**

Client:		Site Address				Sheet: 1 of 1				
Willcox Metal, Inc.		5036 Roosevelt				Monitor well installed?				
STC Job No:	202105	Drilling Company:		Vortex		Yes		No	<input checked="" type="checkbox"/>	
Site Name:	Former Janoe Trucking	Driller:	Heriberto Martniez			Water encountered during drilling? At well completion				
Date Drilled:	3/12/2020	Drilling Method:		DPT		Yes		No	<input checked="" type="checkbox"/>	
Logged By:	Jahna Jahns	Sampling Method:		Split Spoon		Initial Depth:	NA	Date:	Time	
Comments: Located near air compressor, immediately east of the large warehouse building								Later Depth:	NA	Date:
Depth (ft.)	Sample Type	Lab sample Interval	PID Reading (ppb)	Recovery	Description				Depth (ft.)	
1	2.5 foot core tube	0-2.5	473	100%	ASPHALT to 2 inches				0.5	
2					BASE MATERIAL				1.5	
3	2.5 foot core tube	2.5-5	0	100%	SILTY CLAY, dark brown				2.5	
4									3.5	
5	2.5 foot core tube	5-7.5	0	100%	SILTY CLAY, orangish tan, calcareous				4.5	
6									5.5	
7	2.5 foot core tube	7.5-10	0	100%	SILTY CLAY, tan and gray, stiff				6.5	
8									7.5	
9	2.5 foot core tube	10-12.5	0	100%					8.5	
10									9.5	
11	2.5 foot core tube	12.5-15	0	100%					10.5	
12									11.5	
13	2.5 foot core tube	12.5-15	0	100%	SILT, orangish tan, brick red sandstone layer at 13 feet				12.5	
14									13.5	
15	Boring Terminated at 15 feet									14.5

# LOG OF EXPLORATORY BORING OR MONITORING WELL

**B3**

Client:		Site Address								Sheet: 1 of 1	
Willcox Metal, Inc.		5036 Roosevelt								Monitor well installed?	
STC Job No:	202105	Drilling Company:			Vortex			Yes		No	<input checked="" type="checkbox"/>
Site Name:	Former Janoe Trucking	Driller:	Heriberto Martniez						Water encountered during drilling? At well completion		
Date Drilled:	3/12/2020	Drilling Method:			DPT			Yes		No	<input checked="" type="checkbox"/>
Logged By:	Jahna Jahns	Sampling Method:			Split Spoon			Initial Depth:	NA	Date:	Time
Comments: Located in large warehouse building										Later Depth:	NA
Depth (ft.)	Sample Type	Lab sample Interval	PID Reading (ppb)	Recovery	<b>Description</b>						
1	2.5 foot core tube	0-2.5	2816	100%	Concrete to 4 inches, pitted and stained  BASE MATERIAL						
2											
3											
4	2.5 foot core tube	2.5-5	483	100%	CLAY, dark brown, with iron staining from 5 feet						
5											
6	2.5 foot core tube	5-7.5	689	100%							
7											
8	2.5 foot core tube	7.5-10	442	100%	SILTY CLAY, orangish tan, calcareous						
9											
10											
11	2.5 foot core tube	10-12.5	0	100%							
12											
13					SILT, tan and gray						
14	3.5 foot core tube	12.5-16	0	100%							
15											
16					Refusal at 16 feet						

**LOG OF EXPLORATORY BORING OR MONITORING WELL  
B4/MW2**

Client:		Site Address			Sheet: 1 of 1																																																																																																																																																																																																																																																																																																																															
Willcox Metal, Inc.		5036 Roosevelt			Monitor well installed?																																																																																																																																																																																																																																																																																																																															
STC Job No.:	202105	Drilling Company:	Vortex	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>																																																																																																																																																																																																																																																																																																																															
Site Name:	Former Janoe Trucking	Driller:	Heriberto Martinez	Water encountered during drilling? At well completion																																																																																																																																																																																																																																																																																																																																
Date Drilled:	3/12/2020	Drilling Method:	DPT/Solid Flight Augers	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>																																																																																																																																																																																																																																																																																																																															
Logged By:	Jahna Jahns	Sampling Method:	Split Spoon	Initial Depth:	38.10	Date:	Time																																																																																																																																																																																																																																																																																																																													
Comments: Located on the northwestern side of the property				Later Depth:	NA	Date:	Time																																																																																																																																																																																																																																																																																																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Depth (ft.)</th> <th style="text-align: center;">Sample Type</th> <th style="text-align: center;">Lab sample Interval</th> <th style="text-align: center;">Pb Reading (ppb)</th> <th style="text-align: center;">Recovery</th> <th style="text-align: center;">Description</th> <th style="text-align: center;">Depth (ft.)</th> </tr> </thead> <tbody> <tr> <td align="center">1</td> <td align="center">2.5 foot core tube</td> <td align="center">0-2.5</td> <td align="center">6819</td> <td align="center">100%</td> <td align="center" colspan="2">ASPHALT to 2 inches, BASE MATERIAL to 6 inches</td> </tr> <tr> <td align="center">2</td> <td></td> <td></td> <td></td> <td></td> <td align="center"></td><td align="center">0.5</td> </tr> <tr> <td align="center">3</td> <td align="center">2.5 foot core tube</td> <td align="center">2.5-5</td> <td align="center">155</td> <td align="center">100%</td> <td align="center"></td><td align="center">1.5</td> </tr> <tr> <td align="center">4</td> <td></td> <td></td> <td></td> <td></td> <td align="center"></td><td align="center">2.5</td> </tr> <tr> <td align="center">5</td> <td></td> <td></td> <td></td> <td></td> <td align="center"></td><td align="center">3.5</td> </tr> <tr> <td align="center">6</td> <td align="center">2.5 foot core tube</td> <td align="center">5-7.5</td> <td align="center">437</td> <td align="center">100%</td> <td align="center"></td><td align="center">4.5</td> </tr> <tr> <td align="center">7</td> <td></td> <td></td> <td></td> <td></td> <td align="center"></td><td align="center">5.5</td> </tr> <tr> <td align="center">8</td> <td align="center">2.5 foot core tube</td> <td align="center">7.5-10</td> <td align="center">749</td> <td align="center">100%</td> <td align="center"></td><td align="center">6.5</td> </tr> <tr> <td align="center">9</td> <td></td> <td></td> <td></td> <td></td> <td align="center"></td><td align="center">7.5</td> </tr> <tr> <td align="center">10</td> <td></td> <td></td> <td></td> <td></td> <td align="center"></td><td align="center">8.5</td> </tr> <tr> <td align="center">11</td> <td align="center">2.5 foot core tube</td> <td align="center">10-12.5</td> <td align="center">1985</td> <td align="center">100%</td> <td align="center"></td><td align="center">9.5</td> </tr> <tr> <td align="center">12</td> <td></td> <td></td> <td></td> <td></td> <td align="center"></td><td align="center">10.5</td> </tr> <tr> <td align="center">13</td> <td align="center">2.5 foot core tube</td> <td align="center">12.5-15</td> <td align="center">351</td> <td align="center">100%</td> <td align="center"></td><td align="center">11.5</td> </tr> <tr> <td align="center">14</td> <td></td> <td></td> <td></td> <td></td> <td align="center"></td><td align="center">12.5</td> </tr> <tr> <td align="center">15</td> <td></td> <td></td> <td></td> <td></td> <td align="center"></td><td align="center">13.5</td> </tr> <tr> <td align="center">16</td> <td align="center">2.5 foot core tube</td> <td align="center">15-17.5</td> <td align="center">105</td> <td align="center">100%</td> <td align="center"></td><td align="center">14.5</td> </tr> <tr> <td align="center">17</td> <td></td> <td></td> <td></td> <td></td> <td align="center"></td><td align="center">15.5</td> </tr> <tr> <td align="center">18</td> <td align="center">2.5 foot core tube</td> <td align="center">17.5-20</td> <td align="center">152</td> <td align="center">100%</td> <td align="center"></td><td align="center">16.5</td> </tr> <tr> <td align="center">19</td> <td></td> <td></td> <td></td> <td></td> <td align="center"></td><td align="center">17.5</td> </tr> <tr> <td align="center">20</td> <td></td> <td></td> <td></td> <td></td> <td align="center"></td><td align="center">18.5</td> </tr> <tr> <td align="center">21</td> <td align="center">2.5 foot core tube</td> <td align="center">20-22.5</td> <td align="center">229</td> <td align="center">100%</td> <td align="center"></td><td align="center">19.5</td> </tr> <tr> <td align="center">22</td> <td></td> <td></td> <td></td> <td></td> <td align="center"></td><td align="center">20.5</td> </tr> <tr> <td align="center">23</td> <td align="center">2.5 foot core tube</td> <td align="center">22.5-25</td> <td align="center">2354</td> <td align="center">100%</td> <td align="center"></td><td align="center">21.5</td> </tr> <tr> <td align="center">24</td> <td></td> <td></td> <td></td> <td></td> <td align="center"></td><td align="center">22.5</td> </tr> <tr> <td align="center">25</td> <td></td> <td></td> <td></td> <td></td> <td align="center"></td><td align="center">23.5</td> </tr> <tr> <td align="center">26</td> <td align="center">2.5 foot core tube</td> <td align="center">25-27.5</td> <td align="center">70</td> <td align="center">100%</td> <td align="center"></td><td align="center">24.5</td> </tr> <tr> <td align="center">27</td> <td></td> <td></td> <td></td> <td></td> <td 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Sample Type	Lab sample Interval	Pb Reading (ppb)	Recovery	Description	Depth (ft.)	1	2.5 foot core tube	0-2.5	6819	100%	ASPHALT to 2 inches, BASE MATERIAL to 6 inches		2						0.5	3	2.5 foot core tube	2.5-5	155	100%		1.5	4						2.5	5						3.5	6	2.5 foot core tube	5-7.5	437	100%		4.5	7						5.5	8	2.5 foot core tube	7.5-10	749	100%		6.5	9						7.5	10						8.5	11	2.5 foot core tube	10-12.5	1985	100%		9.5	12						10.5	13	2.5 foot core tube	12.5-15	351	100%		11.5	14						12.5	15						13.5	16	2.5 foot core tube	15-17.5	105	100%		14.5	17						15.5	18	2.5 foot core tube	17.5-20	152	100%		16.5	19						17.5	20						18.5	21	2.5 foot core tube	20-22.5	229	100%		19.5	22						20.5	23	2.5 foot core tube	22.5-25	2354	100%		21.5	24						22.5	25						23.5	26	2.5 foot core tube	25-27.5	70	100%		24.5	27						25.5	28	2.5 foot core tube	27.5-30	166	100%		26.5	29						27.5	30						28.5	31	5.0 foot core tube	30-35	1574			29.5	32						30.5	33						31.5	34						32.5	35						33.5	36						34.5	37	5.0 foot core tube	35-40	369	100%		35.5	38						36.5	39						37.5	40						38.5	41	Auger Cuttings	40-43	NA	100%		39.5	42						40.5	43						41.5		2 inch Groundwater Monitoring Well installed at 43 feet - screened from 8 feet to 43 feet						42.5								
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8	2.5 foot core tube	7.5-10	749	100%		6.5																																																																																																																																																																																																																																																																																																																														
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18	2.5 foot core tube	17.5-20	152	100%		16.5																																																																																																																																																																																																																																																																																																																														
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37	5.0 foot core tube	35-40	369	100%		35.5																																																																																																																																																																																																																																																																																																																														
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# LOG OF EXPLORATORY BORING OR MONITORING WELL

**B5**

Client:		Site Address				Sheet: 1 of 1			
Willcox Metal, Inc.		5036 Roosevelt				Monitor well installed?			
STC Job No:	202105	Drilling Company:		Vortex		Yes		No	<input checked="" type="checkbox"/>
Site Name:	Former Janoe Trucking	Driller:	Heriberto Martniez			Water encountered during drilling? At well completion			
Date Drilled:	3/12/2020	Drilling Method:		DPT		Yes		No	<input checked="" type="checkbox"/>
Logged By:	Jahna Jahns	Sampling Method:		Split Spoon		Initial Depth:	NA	Date:	Time
Comments: Located near southwest corner of large warehouse building								Later Depth:	NA
						Depth (ft.)	Sample Type	Lab sample Interval	PID Reading (ppb)
1	2.5 foot core tube	0-2.5	473	100%	ASPHALT to 2 inches				0.5
2					BASE MATERIAL				1.5
3	2.5 foot core tube	2.5-5	0	100%	CLAY, dark reddish brown				2.5
4									3.5
5	2.5 foot core tube	5-7.5	0	100%					4.5
6									5.5
7	2.5 foot core tube	7.5-10	0	100%	SILT, tan and gray				6.5
8									7.5
9	2.5 foot core tube	10-12.5	0	100%	SILTY CLAY, tan and gray, stiff				8.5
10									9.5
11	2.5 foot core tube	12.5-15	0	100%					10.5
12									11.5
13	2.5 foot core tube		0	100%					12.5
14									13.5
15	Boring Terminated at 15 feet								14.5

# STATE OF TEXAS WELL REPORT for Tracking #538966

Owner:	<b>Willcox Metal, Inc.</b>	Owner Well #:	<b>B-1/MW-1</b>
Address:	<b>4103 Factory Hill Street, Suite A San Antonio, TX 78219</b>	Grid #:	<b>68-45-4</b>
Well Location:	<b>5036 Roosevelt Avenue San Antonio, TX 78214</b>	Latitude:	<b>29° 19' 42.21" N</b>
Well County:	<b>Bexar</b>	Longitude:	<b>098° 28' 44.66" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Monitor</b>

Drilling Start Date: **3/12/2020** Drilling End Date: **3/12/2020**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>6</b>	<b>0</b>	<b>35</b>

Drilling Method: **SFA**

Borehole Completion: **Filter Packed**

Filter Pack Intervals:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
	<b>3</b>	<b>35</b>	<b>Sand</b>	<b>12/20</b>
Annular Seal Data:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>	
	<b>0</b>	<b>2</b>	<b>Concrete 0.58 Bags/Sacks</b>	
	<b>2</b>	<b>3</b>	<b>Bentonite 0.23 Bags/Sacks</b>	

Seal Method: **Hand Mixed**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Slab Installed**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

---

Water Quality:	Strata Depth (ft.)	Water Type
	No Data	No Data

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

---

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Vortex Drilling Partners, Inc.**

**4412 Bluemel Road  
San Antonio, TX 78240**

Driller Name: **Heriberto Martinez** License Number: **59554**

Apprentice Name: **Luis Castaneda**

Comments: **No Data**

---

Lithology:  
**DESCRIPTION & COLOR OF FORMATION MATERIAL**

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>1.5</b>	<b>Fill Material to 1.5 feet</b>
<b>1.5</b>	<b>6.5</b>	<b>CLAY, dark brown, with iron staining from 3 feet</b>
<b>6.5</b>	<b>10.5</b>	<b>SILTY CLAY, orangish tan, calcareous, with brick red sandstone lense at 8.5 feet and light tan limestone lense at 10 feet</b>
<b>10.5</b>	<b>19.5</b>	<b>CLAYEY SILT, tan and gray, calcareous</b>
<b>19.5</b>	<b>28</b>	<b>SILTY CLAY, tan and gray, stiff</b>
<b>28</b>	<b>29</b>	<b>SILT, orangish tan, water at 28</b>
<b>29</b>	<b>35</b>	<b>SILTY CLAY, tan and gray, stiff</b>

Casing:  
**BLANK PIPE & WELL SCREEN DATA**

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
<b>2</b>	<b>Top Cap (Locking)</b>	<b>New Plastic (PVC)</b>	<b>40</b>		
<b>2</b>	<b>Bottom Cap</b>	<b>New Plastic (PVC)</b>	<b>40</b>		
<b>2</b>	<b>Riser</b>	<b>New Plastic (PVC)</b>	<b>40</b>	<b>0</b>	<b>5</b>
<b>2</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>40 0.010</b>	<b>5</b>	<b>35</b>

---

**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking Number on your written request.

**Texas Department of Licensing and Regulation**  
P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540

# STATE OF TEXAS WELL REPORT for Tracking #538967

Owner:	<b>Willcox Metal, Inc.</b>	Owner Well #:	<b>B-2</b>
Address:	<b>4103 Factory Hill Street, Suite A San Antonio, TX 78219</b>	Grid #:	<b>68-45-4</b>
Well Location:	<b>5036 Roosevelt Avenue San Antonio, TX 78214</b>	Latitude:	<b>29° 19' 40.72" N</b>
Well County:	<b>Bexar</b>	Longitude:	<b>098° 28' 44.22" W</b>
		Elevation:	<b>No Data</b>

Type of Work: <b>New Well</b>	Proposed Use: <b>Environmental Soil Boring</b>
-------------------------------	--

Drilling Start Date: **3/12/2020** Drilling End Date: **3/12/2020**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>3</b>	<b>0</b>	<b>15</b>

Drilling Method: **Direct Push**

Borehole Completion: **Plugged**

Annular Seal Data:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
	<b>0</b>	<b>2</b>	<b>Concrete 0.16 Bags/Sacks</b>
	<b>2</b>	<b>15</b>	<b>Bentonite 0.83 Bags/Sacks</b>

Seal Method: **Hand Mixed**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **No Data**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

---

Water Quality:	Strata Depth (ft.)	Water Type
	No Data	No Data

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

---

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Vortex Drilling Partners, Inc.**

**4412 Bluemel Road  
San Antonio, TX 78240**

Driller Name: **Heriberto Martinez** License Number: **59554**

Apprentice Name: **Luis Castaneda**

Comments: **No Data**

---

Lithology:  
**DESCRIPTION & COLOR OF FORMATION MATERIAL**

Casing:  
**BLANK PIPE & WELL SCREEN DATA**

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>0.5</b>	<b>ASPHALT to 2 inches</b>
<b>0.5</b>	<b>2.5</b>	<b>BASE MATERIAL</b>
<b>2.5</b>	<b>5</b>	<b>SILTY CLAY, dark brown</b>
<b>5</b>	<b>6.5</b>	<b>SILTY CLAY, orangish tan, calcareous</b>
<b>6.5</b>	<b>12</b>	<b>SILTY CLAY, tan and gray, stiff</b>
<b>12</b>	<b>15</b>	<b>SILT, orangish tan, brick red sandstone layer at 13 feet</b>

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
<b>No Data</b>			

---

#### **IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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Please include the report's Tracking Number on your written request.

**Texas Department of Licensing and Regulation  
P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

# STATE OF TEXAS WELL REPORT for Tracking #538968

Owner:	<b>Willcox Metal, Inc.</b>	Owner Well #:	<b>B-3</b>
Address:	<b>4103 Factory Hill Street, Suite A San Antonio, TX 78219</b>	Grid #:	<b>68-45-4</b>
Well Location:	<b>5036 Roosevelt Avenue San Antonio, TX 78214</b>	Latitude:	<b>29° 19' 41.5" N</b>
Well County:	<b>Bexar</b>	Longitude:	<b>098° 28' 43.46" W</b>
		Elevation:	<b>No Data</b>

Type of Work: <b>New Well</b>	Proposed Use: <b>Environmental Soil Boring</b>
-------------------------------	--

Drilling Start Date: **3/12/2020** Drilling End Date: **3/12/2020**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>3</b>	<b>0</b>	<b>16</b>

Drilling Method: **Direct Push**

Borehole Completion: **Plugged**

Annular Seal Data:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
	<b>0</b>	<b>2</b>	<b>Concrete 0.16 Bags/Sacks</b>
	<b>2</b>	<b>16</b>	<b>Bentonite 0.9 Bags/Sacks</b>

Seal Method: **Hand Mixed**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **No Data**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

---

Water Quality:	Strata Depth (ft.)	Water Type
	No Data	No Data

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

---

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Vortex Drilling Partners, Inc.**

**4412 Bluemel Road  
San Antonio, TX 78240**

Driller Name: **Heriberto Martinez** License Number: **59554**

Apprentice Name: **Luis Castaneda**

Comments: **No Data**

---

Lithology:  
**DESCRIPTION & COLOR OF FORMATION MATERIAL**

Casing:  
**BLANK PIPE & WELL SCREEN DATA**

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>0.5</b>	<b>Concrete to 4 inches, pitted and stained</b>
<b>0.5</b>	<b>3</b>	<b>BASE MATERIAL</b>
<b>3</b>	<b>7</b>	<b>CLAY, dark brown, with iron staining from 5 feet</b>
<b>7</b>	<b>10</b>	<b>SILTY CLAY, orangish tan, calcareous</b>
<b>10</b>	<b>16</b>	<b>SILT, tan and gray</b>

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
<b>No Data</b>			

---

#### **IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking Number on your written request.

**Texas Department of Licensing and Regulation  
P.O. Box 12157  
Austin, TX 78711  
(512) 334-5540**

# STATE OF TEXAS WELL REPORT for Tracking #538969

Owner:	<b>Willcox Metal, Inc.</b>	Owner Well #:	<b>B-4/MW-2</b>
Address:	<b>4103 Factory Hill Street, Suite A San Antonio, TX 78219</b>	Grid #:	<b>68-45-4</b>
Well Location:	<b>5036 Roosevelt Avenue San Antonio, TX 78214</b>	Latitude:	<b>29° 19' 40.94" N</b>
Well County:	<b>Bexar</b>	Longitude:	<b>098° 28' 42.6" W</b>
		Elevation:	<b>No Data</b>
Type of Work:	<b>New Well</b>	Proposed Use:	<b>Monitor</b>

Drilling Start Date: **3/12/2020** Drilling End Date: **3/12/2020**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>6</b>	<b>0</b>	<b>43</b>

Drilling Method: **SFA**

Borehole Completion: **Filter Packed**

	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Filter Material</i>	<i>Size</i>
Filter Pack Intervals:	<b>6</b>	<b>43</b>	<b>Sand</b>	<b>12/20</b>
Annular Seal Data:	<i>Description (number of sacks &amp; material)</i>			
	<b>0</b>	<b>2</b>	<b>Concrete 0.58 Bags/Sacks</b>	
	<b>2</b>	<b>6</b>	<b>Bentonite 0.26 Bags/Sacks</b>	

Seal Method: **Hand Mixed**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Alternative Procedure Used**

**Surface Completion by Driller**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:	Strata Depth (ft.)	Water Type
	No Data	No Data

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Vortex Drilling Partners, Inc.**  
**4412 Bluemel Road**  
**San Antonio, TX 78240**

Driller Name: **Heriberto Martinez** License Number: **59554**

Apprentice Name: **Luis Castaneda**

Comments: **No Data**

Lithology:  
**DESCRIPTION & COLOR OF FORMATION MATERIAL**

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>0.17</b>	<b>ASPHALT to 2 inches</b>
<b>0.17</b>	<b>0.5</b>	<b>BASE MATERIAL to 6 inches</b>
<b>0.5</b>	<b>5</b>	<b>CLAY, dark brown, orangish red from 4 feet</b>
<b>5</b>	<b>19.5</b>	<b>SILTY CLAY, orangish tan, calcareous, with calcareous silt at 7.5 feet, brick red sandstone lense at 14 feet</b>
<b>19.5</b>	<b>30</b>	<b>SILTY CLAY, tan and gray, stiff</b>
<b>30</b>	<b>43</b>	<b>SILT, orangish tan, water at 38 feet</b>

Casing:  
**BLANK PIPE & WELL SCREEN DATA**

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
<b>2</b>	<b>Top Cap (Locking)</b>	<b>New Plastic (PVC)</b>	<b>40</b>		
<b>2</b>	<b>Bottom Cap</b>	<b>New Plastic (PVC)</b>	<b>40</b>		
<b>2</b>	<b>Riser</b>	<b>New Plastic (PVC)</b>	<b>40</b>	<b>0</b>	<b>8</b>
<b>2</b>	<b>Screen</b>	<b>New Plastic (PVC)</b>	<b>40 0.010</b>	<b>8</b>	<b>43</b>

**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

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Please include the report's Tracking Number on your written request.

**Texas Department of Licensing and Regulation**  
**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**

# STATE OF TEXAS WELL REPORT for Tracking #538970

Owner:	<b>Willcox Metal, Inc.</b>	Owner Well #:	<b>B-5</b>
Address:	<b>4103 Factory Hill Street, Suite A San Antonio, TX 78219</b>	Grid #:	<b>68-45-4</b>
Well Location:	<b>5036 Roosevelt Avenue San Antonio, TX 78214</b>	Latitude:	<b>29° 19' 42.9" N</b>
Well County:	<b>Bexar</b>	Longitude:	<b>098° 28' 41.1" W</b>
		Elevation:	<b>No Data</b>

Type of Work: <b>New Well</b>	Proposed Use: <b>Environmental Soil Boring</b>
-------------------------------	--

Drilling Start Date: **3/12/2020** Drilling End Date: **3/12/2020**

	<i>Diameter (in.)</i>	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>
Borehole:	<b>3</b>	<b>0</b>	<b>15</b>

Drilling Method: **Direct Push**

Borehole Completion: **Plugged**

Annular Seal Data:	<i>Top Depth (ft.)</i>	<i>Bottom Depth (ft.)</i>	<i>Description (number of sacks &amp; material)</i>
	<b>0</b>	<b>2</b>	<b>Concrete 0.16 Bags/Sacks</b>
	<b>2</b>	<b>15</b>	<b>Bentonite 0.83 Bags/Sacks</b>

Seal Method: **Hand Mixed**

Distance to Property Line (ft.): **No Data**

Sealed By: **Driller**

Distance to Septic Field or other  
concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **No Data**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

---

Water Quality:	Strata Depth (ft.)	Water Type
	No Data	No Data

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

---

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Vortex Drilling Partners, Inc.**  
**4412 Bluemel Road**  
**San Antonio, TX 78240**

Driller Name: **Heriberto Martinez** License Number: **59554**

Apprentice Name: **Luis Castaneda**

Comments: **No Data**

---

Lithology:  
**DESCRIPTION & COLOR OF FORMATION MATERIAL**

Casing:  
**BLANK PIPE & WELL SCREEN DATA**

Top (ft.)	Bottom (ft.)	Description
<b>0</b>	<b>0.5</b>	<b>ASPHALT to 2 inches</b>
<b>0.5</b>	<b>1.5</b>	<b>BASE MATERIAL</b>
<b>1.5</b>	<b>7.5</b>	<b>CLAY, dark reddish brown</b>
<b>7.5</b>	<b>10</b>	<b>SILT, tan and gray</b>
<b>10</b>	<b>15</b>	<b>SILTY CLAY, tan and gray, stiff</b>

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
<b>No Data</b>			

---

**IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY**

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking Number on your written request.

**Texas Department of Licensing and Regulation**  
**P.O. Box 12157**  
**Austin, TX 78711**  
**(512) 334-5540**

**APPENDIX C**  
**ANALYTICAL LABORATORY REPORTS AND**  
**CHAIN-OF-CUSTODY RECORDS**



# Environment Testing TestAmerica



## ANALYTICAL REPORT

Eurofins TestAmerica, Houston  
6310 Rothway Street  
Houston, TX 77040  
Tel: (713)690-4444

Laboratory Job ID: 600-202277-1  
Client Project/Site: 202105/ Peter Wilcox

For:  
STC Environmental Services  
4754 Research Drive  
San Antonio, Texas 78240

Attn: Craig Tribley

Authorized for release by:  
3/27/2020 3:27:06 PM  
Jasmine Turner, Project Management Assistant I  
(713)690-4444  
[jasmine.turner@testamericainc.com](mailto:jasmine.turner@testamericainc.com)

Designee for  
Sachin Kudchadkar, Senior Project Manager  
(713)690-4444  
[sachin.kudchadkar@testamericainc.com](mailto:sachin.kudchadkar@testamericainc.com)

### LINKS

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The  
Expert

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[www.testamericainc.com](http://www.testamericainc.com)

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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# Appendix A

## Laboratory Data Package Cover Page - Page 1 of 4

This data package is for Eurofins TestAmerica, Houston job number 600-202277-1 and consists of:

- R1 - Field chain-of-custody documentation;
- R2 - Sample identification cross-reference;
- R3 - Test reports (analytical data sheets) for each environmental sample that includes:
  - a. Items consistent with NELAC Chapter 5,
  - b. dilution factors,
  - c. preparation methods,
  - d. cleanup methods, and
  - e. if required for the project, tentatively identified compounds (TICs).
- R4 - Surrogate recovery data including:
  - a. Calculated recovery (%R), and
  - b. The laboratory's surrogate QC limits.
- R5 - Test reports/summary forms for blank samples;
- R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
  - a. LCS spiking amounts,
  - b. Calculated %R for each analyte, and
  - c. The laboratory's LCS QC limits.
- R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a. Samples associated with the MS/MSD clearly identified,
  - b. MS/MSD spiking amounts,
  - c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d. Calculated %Rs and relative percent differences (RPDs), and
  - e. The laboratory's MS/MSD QC limits
- R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
  - a. The amount of analyte measured in the duplicate,
  - b. The calculated RPD, and
  - c. The laboratory's QC limits for analytical duplicates.
- R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- R10 - Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

**Release Statement:** I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

---

Jasmine Turner, for Sachin Kudchadkar

Name (printed)



3/27/2020

Signature

Date

---

Senior Project Manager

Official Title (printed)

# Laboratory Review Checklist: Reportable Data - Page 2 of 4

Laboratory Name:	Eurofins TestAmerica, Houston	LRC Date:	3/27/2020
Project Name:	202105/ Peter Wilcox	Laboratory Job Number:	600-202277-1
Reviewer Name:	Jasmine Turner, for Sachin Kudchadkar		

# <sup>1</sup>	A <sup>2</sup>	Description	Yes	No	NA <sup>3</sup>	NR <sup>4</sup>	ER# <sup>5</sup>
R1	OI	<b>Chain-of-custody (C-O-C)</b>					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	<b>Sample and quality control (QC) identification</b>					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	<b>Test reports</b>					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?	X				
		If required for the project, are TICs reported?					X
R4	O	<b>Surrogate recovery data</b>					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			R04B
R5	OI	<b>Test reports/summary forms for blank samples</b>					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				R05D
R6	OI	<b>Laboratory control samples (LCS):</b>					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X			R06D
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?		X			R06F
R7	OI	<b>Matrix spike (MS) and matrix spike duplicate (MSD) data</b>					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			R07C
		Were MS/MSD RPDs within laboratory QC limits?		X			R07D
R8	OI	<b>Analytical duplicate data</b>					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?		X			R08C
R9	OI	<b>Method quantitation limits (MQLs):</b>					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	<b>Other problems/anomalies</b>					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?		X			R10B
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

# Laboratory Review checklist: Supporting Data - Page 3 of 4

Laboratory Name:	Eurofins TestAmerica, Houston	LRC Date:	3/27/2020
Project Name:	202105/ Peter Wilcox	Laboratory Job Number:	600-202277-1
Reviewer Name:	Jasmine Turner, for Sachin Kudchadkar		

# <sup>1</sup>	A <sup>2</sup>	Description	Yes	No	NA <sup>3</sup>	NR <sup>4</sup>	ER# <sup>5</sup>
S1	OI	<b>Initial calibration (ICAL)</b>					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	<b>Initial and continuing calibration verification (ICV and CCV) and continuing calibration blank (CCB):</b>					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?		X			S02B
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	<b>Mass spectral tuning</b>					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	<b>Internal standards (IS)</b>					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	<b>Raw data (NELAC Section 5.5.10)</b>					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	<b>Dual column confirmation</b>					
		Did dual column confirmation results meet the method-required QC?		X			
S7	O	<b>Tentatively identified compounds (TICs)</b>					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?		X			
S8	I	<b>Interference Check Sample (ICS) results</b>					
		Were percent recoveries within method QC limits?		X			
S9	I	<b>Serial dilutions, post digestion spikes, and method of standard additions</b>					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X			
S10	OI	<b>Method detection limit (MDL) studies</b>					
		Was a MDL study performed for each reported analyte?		X			
		Is the MDL either adjusted or supported by the analysis of DCSs?		X			
S11	OI	<b>Proficiency test reports</b>					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X			
S12	OI	<b>Standards documentation</b>					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?		X			
S13	OI	<b>Compound/analyte identification procedures</b>					
		Are the procedures for compound/analyte identification documented?		X			
S14	OI	<b>Demonstration of analyst competency (DOC)</b>					
		Was DOC conducted consistent with NELAC Chapter 5?		X			
		Is documentation of the analyst's competency up-to-date and on file?		X			
S15	OI	<b>Verification/validation documentation for methods (NELAC Chapter 5)</b>					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?		X			
S16	OI	<b>Laboratory standard operating procedures (SOPs)</b>					
		Are laboratory SOPs current and on file for each method performed?		X			

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2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

# Laboratory Review Checklist: Exception Reports - Page 4 of 4

Laboratory Name:	Eurofins TestAmerica, Houston	LRC Date:	3/27/2020
Project Name:	202105/ Peter Wilcox	Laboratory Job Number:	600-202277-1
Reviewer Name:	Jasmine Turner, for Sachin Kudchadkar		

ER # <sup>1</sup>	Description
R04B	<p>Method 8270C LL: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: B3 @0-2.5 (600-202277-5) and B5 @12.5-15 (600-202277-10). These results have been reported and qualified.</p> <p>Method 8270C LL: The following sample required a dilution due to the nature of the sample matrix: B1/MW1 @0-2.5 (600-202277-1). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.</p>
R05D	<p>Method 8260B: The method blank for analytical batch 600-290267 contained Acetone above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.</p> <p>Method 8260B: The method blank for analytical batch 600-290392 contained Methylene Chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.</p> <p>Method 8260B: The method blank for analytical batch 600-290524 contained Methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.</p> <p>Method 8260B: The method blank for analytical batch 600-290651 contained Methylene Chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.</p> <p>Method 9056A: The method blank for preparation batch 600-291013 and analytical batch 600-291209 contained Chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.</p>
R06D	Method 8260B: The laboratory control sample (LCS) for analytical batch 600-290651 recovered above QC limits for the following analyte: Trichloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.
R06F	<p>Method 8260B: The RPD of the laboratory control sample duplicate (LCSD) for analytical batch 600-290524 recovered above QC limits for the following analytes: 2-Hexanone and 2-Butanone.</p> <p>Method 8260B: The RPD of the laboratory control sample duplicate (LCSD) for analytical batch 600-290651 recovered above QC limits for the following analytes: Acetone, 2-Butanone, Isopropylbenzene, and 2-Hexanone.</p>
R07C	<p>Method 6010B: 600-202277-1 MS recovered above QC limits for the following analytes: Barium, Lead. Matrix interference is suspected.</p> <p>Method 8270C LL: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 600-290642 and analytical batch 600-290762 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample was within acceptance limits.</p> <p>Method 9056A: 600-202484-A-1 MS and 600-202484-A-1 MSD recovered below QC limits for the following analyte: Chloride. Matrix interference is suspected.</p>
R07D	Method 8270C LL: 600-202277-2 MSD recovered above QC limits for RPD for the multiple analytes.

		1
R08C	<p>Method 6010B: 600-202277-1 DU recovered above QC limits for RPD for the following analytes: Barium, Lead.</p> <p>Method 7471A: 600-202277-3 DU recovered above QC limits for RPD for the following analyte: Mercury.</p> <p>Method 7471A: 600-202349-A-5-E DU recovered above QC limits for RPD for the following analyte: Mercury.</p>	2
R10B	<p>Method 8270C LL: The following sample was diluted due to the nature of the sample matrix: B4/MW2 @0-2.5 (600-202277-7). Elevated reporting limits (RLs) are provided.</p> <p>Method 8270C LL: The following samples were diluted due to the nature of the sample matrix: B1/MW1 @0-2.5 (600-202277-1) and B2 @ 0-2.5 (600-202277-3). Elevated reporting limits (RLs) are provided. Sample extract was dark and viscous.</p> <p>Method 9056A: The following sample was diluted due to the nature of the sample matrix: B1/MW1 @0-2.5 (600-202277-1). Elevated reporting limits (RLs) are provided.</p> <p>Method 9056A: The following sample was diluted due to the nature of the sample matrix: B2 @ 0-2.5 (600-202277-3). Elevated reporting limits (RLs) are provided.</p> <p>Method 9056A: The following samples were diluted due to the nature of the sample matrix: B2 @12.5-15 (600-202277-4), B4/MW2 @0-2.5 (600-202277-7), B5 @0-2.5 (600-202277-9) and B5 @12.5-15 (600-202277-10). Elevated reporting limits (RLs) are provided.</p>	3
S02B	<p>Method 8260B: The continuing calibration verification (CCV) associated with batch 600-290392 recovered above the upper control limit for Chloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.</p> <p>Method 8260B: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 600-290267: Dichlorodifluoromethane (-49.9%). These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. The drift% is more than 35% but below 50%.</p> <p>Method 8260B: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 600-290392: Bromomethane (44.7%). These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. The drift% is more than 35% but below 50%.</p> <p>Method 8260B: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 600-290776: Dichlorodifluoromethane (-35.3%). These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. The drift% is more than 35% but below 50%.</p> <p>Method 8270C LL: The continuing calibration verification (CCV) associated with batch 600-290762 recovered above the upper control limit for Di-n-octyl phthalate and Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.</p>	4
Misc	Method 8260B: <EXPLANATION_REQUIRED>Acetone was reported as "E" value. This analyte has no hit in the medium level test. B4/MW2 @0-2.5 (600-202277-7)	5
	<ol style="list-style-type: none"> <li>Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.</li> <li>O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);</li> <li>NA = Not applicable;</li> <li>NR = Not reviewed;</li> <li>ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).</li> </ol>	6

**Matrix:** Solid  
**Method:** TX\_1005  
**Prep Method:** TX\_1005\_S\_Prep  
**Date Analyzed:** 12/4/2019  
**Job #:** 600-193306  
**TALS Batch:** 282015  
**Units:** mg/Kg

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
C6-C12	CHFID12_R	3.800	5.036	5.020	10
C6-C35	CHFID12_R	3.800	10.037	10.000	10
Over C12-C28	CHFID12_R	4.060	5.001	5.000	10

**Matrix:** Solid  
**Method:** SW-846 9056  
**Prep Method:** DI LEACH  
**Date Analyzed:** 9/19/2018  
**Job #:** 600-168589  
**TALS Batch:** 247740  
**Units:** mg/Kg

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
Bromide	CHWC11	1.005	2.000	2.980	4
Chloride	CHWC11	0.534	4.000	5.990	4
Fluoride	CHWC11	0.601	2.000	1.797	2
Nitrate as N	CHWC11	0.251	2.000	2.891	2
Nitrite as N	CHWC11	0.297	2.000	0.547	2
Sulfate	CHWC11	0.957	4.000	8.820	5

**Matrix:** Solid  
**Method:** 8270C\_LL  
**Prep Method:** 3546  
**Date Analyzed:** 11/27/2019  
**Job #:** 600-193184  
**TALS Batch:** 281398  
**Units:** ug/Kg

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
1,1'-Biphenyl	CHSVM06	4.000	4.150	2.448	33.3
1,2,4,5-Tetrachlorobenzene	CHSVM06	6.750	4.150	1.286	33.3
1,2,4-Trichlorobenzene	CHSVM06	2.100	4.150	1.464	33.3
1,2-Dichlorobenzene	CHSVM06	3.020	4.150	2.204	33.3
1,2-Dinitrobenzene	CHSVM06	16.670	33.135	12.899	33.3
1,2-Diphenylhydrazine	CHSVM08	1.620	4.158	6.866	33.3
1,3,5-Trinitrobenzene	CHSVM06	16.670	4.142	351.145	33.3
1,3-Dichlorobenzene	CHSVM06	1.540	4.150	2.456	33.3
1,4-Dichlorobenzene	CHSVM06	2.250	4.150	3.127	33.3
1,4-Dinitrobenzene	CHSVM06	16.670	4.142	386.187	33.3
1-Choronaphthalene	CHSVM06	16.670	4.142	478.256	33.3
1-Methylnaphthalene	CHSVM06	1.570	4.150	2.973	33.3
1-Naphthylamine	CHSVM06	25.960	16.633	4.186	50
2,2'-oxybis[1-chloropropane]	CHSVM06	8.840	4.150	3.780	33.3
2,3,5,6-Tetrachlorophenol	CHSVM06	16.670	4.142	58.635	33.3
2,4,5-Trichlorophenol	CHSVM06	10.010	8.317	2.920	33.3
2,4,6-Trichlorophenol	CHSVM06	2.680	8.317	3.329	33.3
2,4-Dichlorophenol	CHSVM08	3.870	4.158	2.297	33.3
2,4-Dimethylphenol	CHSVM06	8.580	8.317	3.717	33.3
2,4-Dinitrotoluene	CHSVM08	3.610	4.158	11.062	33.3
2,6-Dichlorophenol	CHSVM06	9.670	8.317	4.317	33.3
2,6-Dimethylphenol	CHSVM06	16.670	8.317	1.900	33.3
2,6-Dinitrotoluene	CHSVM06	2.950	8.317	3.837	33.3
2-Acetylaminofluorene	CHSVM06	11.000	4.142	643.754	33.3
2-Choronaphthalene	CHSVM06	1.210	4.150	1.731	33.3
2-Chlorophenol	CHSVM06	1.970	4.150	1.746	33.3
2-Methylnaphthalene	CHSVM06	2.740	4.150	2.229	33.3
2-Methylphenol	CHSVM08	3.230	4.158	3.045	33.3
2-Naphthylamine	CHSVM06	2.040	4.142	634.038	50
2-Nitroaniline	CHSVM06	4.890	8.317	8.046	33.3
2-Nitrophenol	CHSVM08	3.890	4.158	4.395	33.3
2-Picoline	CHSVM06	4.000	4.142	424.780	33.3
2-Toluidine	CHSVM06	13.950	4.142	429.574	33.3
3 & 4 Methylphenol	CHSVM06	2.790	8.317	5.973	33.3
3,3'-Dichlorobenzidine	CHSVM06	10.160	8.317	3.022	33.3
3,3'-Dimethylbenzidine	CHSVM06	16.670	4.142	366.257	150
3-Methylcholanthrene	CHSVM06	16.670	4.142	816.264	33.3
4,4'-Methylene bis(2-chloroaniline)	CHSVM06	16.670	4.142	486.581	33.3
4-Aminobiphenyl	CHSVM06	4.150	4.142	431.349	33.3
4-Bromophenyl phenyl ether	CHSVM06	2.840	4.150	2.172	33.3
4-Chloro-3-methylphenol	CHSVM06	15.580	8.317	9.739	33.3
4-Chloroaniline	CHSVM06	5.820	8.317	3.751	33.3
4-Chlorophenyl phenyl ether	CHSVM06	1.800	4.150	1.857	33.3
4-Nitrophenol	CHSVM06	5.080	16.633	49.190	200
6-Methylchrysene	CHSVM06	2.340	4.142	577.716	33.3
7,12-Dimethylbenz(a)anthracene	CHSVM06	5.670	4.142	606.207	33.3
Acenaphthene	CHSVM06	1.440	4.150	2.599	33.3
Acenaphthylene	CHSVM06	1.000	4.150	2.278	33.3
Acetophenone	CHSVM06	3.300	4.150	1.409	33.3

DCS = Detection Check Standard

MQL = Method Quantitation Limit

Page 1 of 3

**Matrix:** Solid  
**Method:** 8270C\_LL  
**Prep Method:** 3546  
**Date Analyzed:** 11/27/2019  
**Job #:** 600-193184  
**TALS Batch:** 281398  
**Units:** ug/Kg

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
Anthracene	CHSVM06	1.280	4.150	3.621	33.3
Aramite Peak 1	CHSVM06	5.330	2.071	315.507	33.3
Aramite Peak 2	CHSVM06	5.330	2.071	318.686	33.3
Aramite, Total	CHSVM06	5.330	4.142	640.000	33.3
Atrazine	CHSVM06	5.020	8.317	5.872	33.3
Azobenzene	CHSVM06	1.850	4.150	6.205	33.3
Benzaldehyde	CHSVM06	16.670	16.644	18.982	33.3
Benzo[a]anthracene	CHSVM06	1.380	4.150	4.821	33.3
Benzo[a]pyrene	CHSVM06	1.610	4.150	2.238	33.3
Benzo[b]fluoranthene	CHSVM06	1.720	4.150	3.702	33.3
Benzo[g,h,i]perylene	CHSVM06	5.070	4.150	1.997	33.3
Benzo[k]fluoranthene	CHSVM06	1.490	4.150	3.478	33.3
Benzoic acid	CHSVM06	32.760	33.135	14.729	330
Benzyl alcohol	CHSVM08	5.830	16.611	0.585	33.3
Bis(2-chloroethoxy)methane	CHSVM08	1.420	4.158	4.567	33.3
Bis(2-chloroethyl)ether	CHSVM06	1.650	4.150	3.459	33.3
Bis(2-ethylhexyl) phthalate	CHSVM06	5.370	4.150	13.359	33.3
Butyl benzyl phthalate	CHSVM06	6.190	4.150	8.557	66.7
Caprolactam	CHSVM06	16.670	8.317	30.104	33.3
Carbazole	CHSVM06	3.120	4.150	3.765	33.3
Chlorobenzilate	CHSVM06	2.320	4.142	708.525	33.3
Chrysene	CHSVM06	1.020	4.150	4.051	33.3
Diallate	CHSVM06	2.890	4.142	610.000	33.3
Diallate Peak 1	CHSVM06	2.890	2.071	312.810	33.3
Diallate Peak 2	CHSVM06	2.890	2.071	298.471	33.3
Dibenz(a,h)anthracene	CHSVM06	3.630	4.150	1.861	33.3
Dibenz[a,h]acridine	CHSVM06	4.560	4.142	434.786	33.3
Dibenz[a,j]acridine	CHSVM06	16.670	4.142	562.283	33.3
Dibenzofuran	CHSVM06	1.780	4.150	1.769	33.3
Diethyl phthalate	CHSVM06	8.430	4.150	6.104	66.7
Dimethoate	CHSVM06	3.000	4.142	699.823	33.3
Dimethyl phthalate	CHSVM06	4.890	4.150	11.910	66.7
Di-n-butyl phthalate	CHSVM06	2.590	4.150	8.132	66.7
Di-n-octyl phthalate	CHSVM06	1.900	4.150	8.369	66.7
Dinoseb	CHSVM06	16.670	4.142	425.352	33.3
Diphenylamine	CHSVM06	1.940	3.528	1.481	33.3
Disulfoton	CHSVM06	9.860	4.142	719.331	33.3
Ethyl methanesulfonate	CHSVM06	5.290	4.142	524.894	33.3
Ethyl Parathion	CHSVM06	4.000	4.142	690.120	33.3
Fluoranthene	CHSVM06	3.110	4.150	3.299	33.3
Fluorene	CHSVM06	2.360	4.150	2.100	33.3
Hexachlorobenzene	CHSVM06	1.520	4.150	2.142	33.3
Hexachlorobutadiene	CHSVM06	1.920	4.150	2.450	33.3
Hexachloroethane	CHSVM06	2.310	4.150	2.486	33.3
Hexachloropropene	CHSVM06	3.330	4.142	376.757	33.3
Hexadecane	CHSVM08	0.001	16.611	11.347	33.3
Indene	CHSVM06	3.730	4.150	2.272	33.3
Indeno[1,2,3-cd]pyrene	CHSVM06	3.500	4.150	3.371	33.3
Isodrin	CHSVM06	4.000	4.142	504.644	33.3

DCS = Detection Check Standard

MQL = Method Quantitation Limit

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**Matrix:** Solid  
**Method:** 8270C\_LL  
**Prep Method:** 3546  
**Date Analyzed:** 11/27/2019  
**Job #:** 600-193184  
**TALS Batch:** 281398  
**Units:** ug/Kg

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
Isophorone	CHSVMS08	1.000	4.158	3.771	33.3
Isosafrole	CHSVMS06	5.330	4.142	290.000	33.3
Isosafrole Peak 1	CHSVMS06	5.330	2.071	162.156	33.3
Isosafrole Peak 2	CHSVMS06	5.330	2.071	128.539	33.3
Methapyrilene	CHSVMS06	27.520	33.135	20.083	66.7
Methyl methanesulfonate	CHSVMS06	11.660	4.142	454.787	33.3
Methyl parathion	CHSVMS06	2.860	4.142	629.930	33.3
Methyl Phenols, Total	CHSVMS08	3.230	8.317	3.100	33.3
n,n'-Dimethylaniline	CHSVMS06	16.670	4.142	447.216	33.3
Naphthalene	CHSVMS06	1.350	4.150	2.498	33.3
n-Decane	CHSVMS08	0.001	33.201	36.993	33.3
Nitrobenzene	CHSVMS06	2.960	4.150	3.721	33.3
N-Nitro-o-toluidine	CHSVMS06	2.280	4.142	545.361	33.3
N-Nitrosodiethylamine	CHSVMS06	7.180	4.142	449.203	33.3
N-Nitrosodimethylamine	CHSVMS06	4.190	4.150	2.772	33.3
N-Nitrosodi-n-butylamine	CHSVMS06	16.670	4.142	403.757	33.3
N-Nitrosodi-n-propylamine	CHSVMS06	2.220	33.135	27.148	33.3
N-Nitrosodiphenylamine	CHSVMS06	1.890	4.150	1.779	33.3
N-Nitrosomethylalkylamine	CHSVMS06	30.710	16.633	21.696	33.3
N-Nitrosomorpholine	CHSVMS06	2.330	4.142	480.572	33.3
N-Nitrosopiperidine	CHSVMS06	3.670	4.142	529.238	33.3
N-Nitrosopyrrolidine	CHSVMS06	4.670	4.142	471.610	33.3
n-Octadecane	CHSVMS08	0.001	8.317	6.396	33.3
o,o',o"-Triethylphosphorothioate	CHSVMS06	16.670	4.142	466.569	33.3
p-Dimethylamino azobenzene	CHSVMS06	6.330	4.142	691.335	33.3
Pentachlorobenzene	CHSVMS06	4.010	4.142	440.135	33.3
Pentachloroethane	CHSVMS06	13.570	4.142	376.950	33.3
Pentachloronitrobenzene	CHSVMS06	4.230	4.142	527.188	33.3
Phenacetin	CHSVMS06	2.860	4.142	605.200	33.3
Phenanthrene	CHSVMS06	4.950	4.150	2.452	33.3
Phenol	CHSVMS06	4.240	8.317	5.213	33.3
Phenyl ether	CHSVMS06	16.670	4.142	510.989	33.3
Phorate	CHSVMS06	6.980	4.142	551.349	33.3
Pronamide	CHSVMS06	2.670	4.142	587.111	33.3
Pyrene	CHSVMS06	1.830	4.150	4.801	33.3
Pyridine	CHSVMS06	3.520	8.300	1.730	66.7
Quinoline	CHSVMS06	4.220	4.142	511.518	33.3
Safrole, Total	CHSVMS06	3.300	4.142	441.132	33.3
Sulfotep	CHSVMS06	16.670	4.142	564.979	33.3
Thionazin	CHSVMS06	2.960	4.142	584.957	33.3
Total Cresols, TCEQ Definition	CHSVMS08	3.230	16.633	3.100	33.3

**Matrix:** Solid  
**Method:** 8260B  
**Prep Method:** 5030B\_SolidNAC  
**Date Analyzed:** 10/9/2019  
**Job #:** 600-193305  
**TALS Batch:** 276949  
**Units:** ug/Kg

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
1,1,1,2-Tetrachloroethane	CHVOAMS09	1.400	2.500	2.509	5
1,1,1-Trichloroethane	CHVOAMS09	0.740	2.500	2.236	5
1,1,2,2-Tetrachloroethane	CHVOAMS09	0.870	2.500	3.095	5
1,1,2-Trichloro-1,2,2-trifluoroethane	CHVOAMS09	1.440	2.500	2.169	5
1,1,2-Trichloroethane	CHVOAMS09	0.730	2.500	2.520	40
1,1-Dichloroethane	CHVOAMS09	0.870	2.500	2.162	5
1,1-Dichloroethene	CHVOAMS09	1.220	2.500	1.499	5
1,1-Dichloropropene	CHVOAMS09	0.650	2.500	2.202	5
1,2,3-Trichlorobenzene	CHVOAMS09	0.620	2.500	3.314	5
1,2,3-Trichloropropane	CHVOAMS09	1.310	2.500	2.779	5
1,2,3-Trimethylbenzene	CHVOAMS09	1.820	2.500	2.799	5
1,2,4-Trichlorobenzene	CHVOAMS09	1.970	2.500	3.017	5
1,2,4-Trimethylbenzene	CHVOAMS09	0.920	2.500	2.755	5
1,2-Dibromo-3-Chloropropane	CHVOAMS09	2.440	2.500	0.901	5
1,2-Dichlorobenzene	CHVOAMS09	0.800	2.500	2.936	5
1,2-Dichloroethane	CHVOAMS09	0.900	2.500	2.288	5
1,2-Dichloroethene, Total	CHVOAMS09	1.900	5.000	4.700	10
1,2-Dichloropropane	CHVOAMS09	0.710	2.500	2.146	5
1,3,5-Trichlorobenzene	CHVOAMS09	2.500	2.500	3.031	5
1,3,5-Trimethylbenzene	CHVOAMS09	1.600	2.500	2.625	5
1,3-Dichlorobenzene	CHVOAMS09	0.710	2.500	2.819	5
1,3-Dichloropropane	CHVOAMS09	0.630	2.500	2.423	5
1,4-Dichlorobenzene	CHVOAMS09	0.660	2.500	3.078	5
1,4-Dioxane	CHVOAMS09	62.070	50.000	52.234	500
2,2-Dichloropropane	CHVOAMS09	1.820	2.500	2.589	5
2-Butanone (MEK)	CHVOAMS09	1.900	5.000	3.527	10
2-Chloro-1,3-butadiene	CHVOAMS09	2.710	2.500	2.231	5
2-Chloroethyl vinyl ether	CHVOAMS09	0.980	5.000	3.865	10
2-Chlorotoluene	CHVOAMS09	0.680	2.500	2.667	5
2-Hexanone	CHVOAMS09	1.010	5.000	5.342	10
2-Methyl-2-propanol	CHVOAMS09	10.000	25.000	26.479	50
2-Methyltetrahydrofuran	CHVOAMS09	5.430	12.500	7.546	50
2-Methyltetrahydropyran	CHVOAMS09	4.820	12.500	14.683	50
2-Nitropropane	CHVOAMS09	24.290	5.000	4.729	50
3-Chloro-1-propene	CHVOAMS09	1.390	2.500	1.443	5
4-Chlorotoluene	CHVOAMS09	0.830	2.500	2.724	5
4-Isopropyltoluene	CHVOAMS09	1.020	2.500	2.775	5
4-Methyl-2-pentanone (MIBK)	CHVOAMS09	1.470	5.000	5.458	10
Acetone	CHVOAMS09	1.660	5.000	6.939	10
Acetonitrile	CHVOAMS09	1.390	25.000	15.721	50
Acrolein	CHVOAMS09	6.230	12.500	8.340	25
Acrylonitrile	CHVOAMS09	5.820	25.000	20.999	50
Benzene	CHVOAMS09	0.630	2.500	2.358	5
Benzyl chloride	CHVOAMS09	2.140	2.500	2.652	5
Bromobenzene	CHVOAMS09	0.990	2.500	2.678	5
Bromoform	CHVOAMS09	1.370	2.500	2.562	5
Bromomethane	CHVOAMS09	0.830	2.500	1.870	10
Butadiene	CHVOAMS09	1.250	2.500	6.275	5
Carbon disulfide	CHVOAMS09	0.550	2.500	2.300	10

DCS = Detection Check Standard

MQL = Method Quantitation Limit

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3/27/2020

**Matrix:** Solid  
**Method:** 8260B  
**Prep Method:** 5030B\_SolidNAC  
**Date Analyzed:** 10/9/2019  
**Job #:** 600-193305  
**TALS Batch:** 276949  
**Units:** ug/Kg

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
Carbon tetrachloride	CHVOAMS09	1.130	2.500	2.306	5
Chlorobenzene	CHVOAMS09	0.960	2.500	2.438	5
Chlorobromomethane	CHVOAMS09	1.780	2.500	2.061	5
Chlorodibromomethane	CHVOAMS09	0.940	2.500	2.530	5
Chloroethane	CHVOAMS09	1.400	2.500	1.827	10
Chloroform	CHVOAMS09	0.660	2.500	2.779	10
Chloromethane	CHVOAMS09	1.660	2.500	2.222	10
cis-1,2-Dichloroethene	CHVOAMS09	0.830	2.500	2.210	5
cis-1,3-Dichloropropene	CHVOAMS09	0.540	2.500	2.260	5
Cyclohexane	CHVOAMS09	1.920	2.500	2.294	5
Dibromomethane	CHVOAMS09	0.750	2.500	2.140	5
Dichlorobromomethane	CHVOAMS09	0.660	2.500	2.434	5
Dichlorodifluoromethane	CHVOAMS09	1.540	2.500	1.536	5
Dichlorofluoromethane	CHVOAMS09	1.000	2.500	2.020	5
Ethyl acetate	CHVOAMS09	2.810	5.000	4.263	5
Ethyl acrylate	CHVOAMS09	10.660	2.500	1.969	20
Ethyl ether	CHVOAMS09	1.950	2.500	2.203	5
Ethyl methacrylate	CHVOAMS09	1.660	2.500	2.445	5
Ethylbenzene	CHVOAMS09	1.020	2.500	2.392	5
Ethylene Dibromide	CHVOAMS09	1.020	2.500	2.427	5
Hexachlorobutadiene	CHVOAMS09	1.130	2.500	1.126	5
Hexane	CHVOAMS09	1.230	2.500	2.954	5
Iodomethane	CHVOAMS09	2.500	2.500	2.160	5
Isobutyl alcohol	CHVOAMS09	17.160	62.500	90.449	125
Isooctane	CHVOAMS09	10.000	2.500	2.223	10
Isopropyl alcohol	CHVOAMS09	27.470	25.000	28.821	100
Isopropyl ether	CHVOAMS09	1.760	2.500	2.407	5
Isopropylbenzene	CHVOAMS09	0.920	2.500	2.588	5
Methacrylonitrile	CHVOAMS09	5.000	25.000	24.213	50
Methyl acetate	CHVOAMS09	2.910	5.000	4.294	5
Methyl methacrylate	CHVOAMS09	2.860	5.000	4.418	10
Methyl tert-butyl ether	CHVOAMS09	1.830	2.500	2.264	5
Methylcyclohexane	CHVOAMS09	1.460	2.500	2.150	5
Methylene Chloride	CHVOAMS09	2.190	2.500	48.978	10
m-Xylene & p-Xylene	CHVOAMS09	1.520	2.500	2.469	5
Naphthalene	CHVOAMS09	2.370	2.500	0.338	10
n-Butyl acetate	CHVOAMS09	2.370	2.500	1.982	5
n-Butylbenzene	CHVOAMS09	0.580	2.500	2.830	5
n-Heptane	CHVOAMS09	10.000	2.500	2.106	20
N-Propylbenzene	CHVOAMS09	0.950	2.500	2.627	5
o-Xylene	CHVOAMS09	1.130	2.500	2.358	5
Propionitrile	CHVOAMS09	2.360	25.000	22.217	5
sec-Butylbenzene	CHVOAMS09	0.700	2.500	2.661	5
Styrene	CHVOAMS09	0.710	2.500	2.422	5
tert-Butylbenzene	CHVOAMS09	0.950	2.500	2.763	5
Tetrachloroethene	CHVOAMS09	0.710	2.500	2.212	5
Tetrahydrofuran	CHVOAMS09	5.390	5.000	4.854	50
Tetrahydropyran	CHVOAMS09	5.220	12.500	10.357	50
Toluene	CHVOAMS09	1.380	2.500	2.468	5

DCS = Detection Check Standard

MQL = Method Quantitation Limit

**Matrix:** Solid  
**Method:** 8260B  
**Prep Method:** 5030B\_SolidNAC  
**Date Analyzed:** 10/9/2019  
**Job #:** 600-193305  
**TALS Batch:** 276949  
**Units:** ug/Kg

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
trans-1,2-Dichloroethene	CHVOAMS09	1.140	2.500	2.543	5
trans-1,3-Dichloropropene	CHVOAMS09	0.580	2.500	2.285	5
trans-1,4-Dichloro-2-butene	CHVOAMS09	1.900	2.500	2.495	5
Trichloroethene	CHVOAMS09	1.400	2.500	2.211	5
Trichlorofluoromethane	CHVOAMS09	0.660	2.500	1.799	10
Vinyl acetate	CHVOAMS09	0.930	5.000	4.380	10
Vinyl chloride	CHVOAMS09	0.900	2.500	1.758	10
Xylenes, Total	CHVOAMS09	1.130	5.000	4.900	5

**Matrix:** Solid  
**Method:** 7471A  
**Prep Method:** 7471B\_Prep  
**Date Analyzed:** 11/2/2019  
**Job #:** 600-193182  
**TALS Batch:** 279281  
**Units:** ug/Kg

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
Hg	MHG01	3.580	8.333	8.367	17

**Matrix:** Solid  
**Method:** 6010B  
**Prep Method:** 3050B  
**Date Analyzed:** 12/3/2019  
**Job #:** 600-193182  
**TALS Batch:** 281942  
**Units:** mg/Kg

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
Ag	Thermo6500	0.119	0.200	0.204	0.4
Al	Thermo6500	0.300	0.500	0.471	25
As	Thermo6500	0.218	0.500	0.497	1
B	Thermo6500	0.386	0.600	0.585	20
Ba	Thermo6500	0.030	0.030	0.042	1
Be	Thermo6500	0.015	0.020	0.021	0.25
Ca	Thermo6500	0.864	1.500	1.528	100
Cd	Thermo6500	0.026	0.050	0.051	0.25
Co	Thermo6500	0.068	0.100	0.106	0.5
Cr	Thermo6500	0.051	0.100	0.111	0.5
Cu	Thermo6500	0.174	0.500	0.507	0.5
Fe	Thermo6500	2.530	5.000	4.854	20
K	Thermo6500	11.000	25.000	23.375	100
Li	Thermo6500	0.008	0.010	0.012	10
Mg	Thermo6500	1.920	3.000	2.833	100
Mn	Thermo6500	0.038	0.050	0.054	1.5
Mo	Thermo6500	0.136	0.350	0.392	0.5
Na	Thermo6500	0.886	2.400	2.435	100
Ni	Thermo6500	0.117	0.150	0.148	1
Pb	Thermo6500	0.105	0.200	0.193	0.5
Sb	Thermo6500	0.232	0.450	0.473	2.5
Se	Thermo6500	0.259	0.500	0.492	2
Si	Thermo6500	0.117	0.270	0.340	10
Sn	Thermo6500	0.087	0.150	0.143	1
Sr	Thermo6500	0.003	0.005	0.006	0.25
Ti	Thermo6500	0.015	0.030	0.032	0.5
Tl	Thermo6500	0.277	0.700	0.675	1.5
V	Thermo6500	0.079	0.150	0.163	0.5
Zn	Thermo6500	0.108	0.200	0.193	1.5

# Case Narrative

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Job ID: 600-202277-1

Laboratory: Eurofins TestAmerica, Houston

### Narrative

Job Narrative  
600-202277-1

### Comments

No additional comments.

### Receipt

The samples were received on 3/14/2020 10:52 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.7° C and 1.8° C.

*All applicable analytical narratives can be found in the TRRP Checklist section of this report.*

# Method Summary

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL HOU
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	TAL HOU
9056A	Anions, Ion Chromatography	SW846	TAL HOU
6010B	Inductively Coupled Plasma - Atomic Emission Spectrometry	SW846	TAL HOU
7471A	Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	SW846	TAL HOU
2540B	Percent Moisture	SM20	TAL HOU
3050B	Acid Digestion of Sediments, Sludges, and Soils	SW846	TAL HOU
3546	Microwave Extraction	SW846	TAL HOU
5035	Closed System Purge & Trap/Laboratory Preservation	SW846	TAL HOU
7471A	Mercury in Solid or Semi-Solid Waste (Manual Cold Vapor Technique)/Preparation	SW846	TAL HOU
DI Leach	Deionized Water Leaching Procedure (Routine)	ASTM	TAL HOU
TX_1005_S_Prep	Extraction - Texas Total petroleum Hyrdocarbons	TCEQ	TAL HOU

## Protocol References:

ASTM = ASTM International

SM20 = "Standard Methods For The Examination Of Water And Wastewater", 20th Edition."

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

TCEQ = Texas Commission of Environmental Quality

## Laboratory References:

TAL HOU = Eurofins TestAmerica, Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

# Sample Summary

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID	
600-202277-1	B1/MW1 @0-2.5	Solid	03/12/20 15:21	03/14/20 10:52		1
600-202277-2	B1/MW1 @20-24	Solid	03/12/20 15:46	03/14/20 10:52		2
600-202277-3	B2 @ 0-2.5	Solid	03/12/20 16:09	03/14/20 10:52		3
600-202277-4	B2 @12.5-15	Solid	03/12/20 16:27	03/14/20 10:52		4
600-202277-5	B3 @0-2.5	Solid	03/12/20 16:49	03/14/20 10:52		5
600-202277-6	B3 @12.5-16	Solid	03/12/20 17:13	03/14/20 10:52		6
600-202277-7	B4/MW2 @0-2.5	Solid	03/12/20 18:18	03/14/20 10:52		7
600-202277-8	B4/MW2 @30-35	Solid	03/12/20 18:40	03/14/20 10:52		8
600-202277-9	B5 @0-2.5	Solid	03/12/20 17:32	03/14/20 10:52		9
600-202277-10	B5 @12.5-15	Solid	03/12/20 17:47	03/14/20 10:52		10

# Detection Summary

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Client Sample ID: B1/MW1 @0-2.5

## Lab Sample ID: 600-202277-1

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.91	J	10.0	2.19	ug/Kg	1	⊗	8260B	Total/NA
Benzo[b]fluoranthene	1140	J	2020	104	ug/Kg	50	⊗	8270C LL	Total/NA
Benzo[k]fluoranthene	614	J	2020	90.3	ug/Kg	50	⊗	8270C LL	Total/NA
Benzo[g,h,i]perylene	1280	J	2020	307	ug/Kg	50	⊗	8270C LL	Total/NA
Benzo[a]pyrene	857	J	2020	97.5	ug/Kg	50	⊗	8270C LL	Total/NA
Fluoranthene	1550	J	2020	188	ug/Kg	50	⊗	8270C LL	Total/NA
Indeno[1,2,3-cd]pyrene	1030	J	2020	212	ug/Kg	50	⊗	8270C LL	Total/NA
Phenanthrene	431	J	2020	300	ug/Kg	50	⊗	8270C LL	Total/NA
Pyrene	1350	J	2020	111	ug/Kg	50	⊗	8270C LL	Total/NA
Chloride	8.08	J	9.88	1.32	mg/Kg	2	⊗	9056A	Soluble
Lead	19.2		2.81	0.591	mg/Kg	5	⊗	6010B	Total/NA
Chromium	11.5		0.563	0.0570	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	2.21		0.281	0.0288	mg/Kg	1	⊗	6010B	Total/NA
Barium	2970		5.63	0.169	mg/Kg	5	⊗	6010B	Total/NA
Arsenic	4.63		1.13	0.245	mg/Kg	1	⊗	6010B	Total/NA
Selenium	0.822	J	2.25	0.292	mg/Kg	1	⊗	6010B	Total/NA
Mercury	21.8		19.4	4.08	ug/Kg	1	⊗	7471A	Total/NA

## Client Sample ID: B1/MW1 @20-24

## Lab Sample ID: 600-202277-2

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.81	J	5.07	0.842	ug/Kg	1	⊗	8260B	Total/NA
trans-1,2-Dichloroethene	1.81	J	5.07	1.16	ug/Kg	1	⊗	8260B	Total/NA
Trichloroethene	20.1		5.07	1.42	ug/Kg	1	⊗	8260B	Total/NA
Bis(2-ethylhexyl) phthalate	10.0	J	45.2	7.30	ug/Kg	1	⊗	8270C LL	Total/NA
Chloride	42.5		10.9	1.46	mg/Kg	2	⊗	9056A	Soluble
Lead	7.19		0.669	0.141	mg/Kg	1	⊗	6010B	Total/NA
Chromium	8.55		0.669	0.0677	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.248	J	0.335	0.0343	mg/Kg	1	⊗	6010B	Total/NA
Barium	28.6		1.34	0.0401	mg/Kg	1	⊗	6010B	Total/NA
Arsenic	1.34		1.34	0.292	mg/Kg	1	⊗	6010B	Total/NA
Mercury	23.6		22.5	4.73	ug/Kg	1	⊗	7471A	Total/NA

## Client Sample ID: B2 @ 0-2.5

## Lab Sample ID: 600-202277-3

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.11	J b	11.7	2.56	ug/Kg	1	⊗	8260B	Total/NA
>C12-C28	44.7		10.7	4.36	mg/Kg	1	⊗	TX 1005	Total/NA
C6-C35	44.7		10.7	4.08	mg/Kg	1	⊗	TX 1005	Total/NA
Chloride	8.82	J	9.98	1.33	mg/Kg	2	⊗	9056A	Soluble
Lead	58.4		0.580	0.122	mg/Kg	1	⊗	6010B	Total/NA
Chromium	11.7		0.580	0.0587	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	2.34		0.290	0.0297	mg/Kg	1	⊗	6010B	Total/NA
Barium	202		1.16	0.0348	mg/Kg	1	⊗	6010B	Total/NA
Arsenic	3.70		1.16	0.253	mg/Kg	1	⊗	6010B	Total/NA
Mercury	12.5	J	20.6	4.33	ug/Kg	1	⊗	7471A	Total/NA

## Client Sample ID: B2 @12.5-15

## Lab Sample ID: 600-202277-4

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.24	J b	10.7	2.33	ug/Kg	1	⊗	8260B	Total/NA
Chloride	7.18	J b	9.55	1.28	mg/Kg	2	⊗	9056A	Soluble

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Houston

# Detection Summary

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## **Client Sample ID: B2 @12.5-15 (Continued)**

## **Lab Sample ID: 600-202277-4**

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.87		0.573	0.120	mg/Kg	1	⊗	6010B	Total/NA
Chromium	3.08		0.573	0.0580	mg/Kg	1	⊗	6010B	Total/NA
Barium	26.8		1.15	0.0344	mg/Kg	1	⊗	6010B	Total/NA
Arsenic	2.95		1.15	0.250	mg/Kg	1	⊗	6010B	Total/NA

## **Client Sample ID: B3 @0-2.5**

## **Lab Sample ID: 600-202277-5**

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	28.2	*	8.18	1.36	ug/Kg	1	⊗	8260B	Total/NA
Methylene Chloride	9.11	b	8.18	1.79	ug/Kg	1	⊗	8260B	Total/NA
Toluene	1.75	J	4.09	1.13	ug/Kg	1	⊗	8260B	Total/NA
Acenaphthene	6.23	J	36.1	1.56	ug/Kg	1	⊗	8270C LL	Total/NA
Bis(2-ethylhexyl) phthalate	76.0		36.1	5.83	ug/Kg	1	⊗	8270C LL	Total/NA
Fluoranthene	11.1	J	36.1	3.37	ug/Kg	1	⊗	8270C LL	Total/NA
2-Methylnaphthalene	20.5	J	36.1	2.97	ug/Kg	1	⊗	8270C LL	Total/NA
Phenanthrene	70.3		36.1	5.37	ug/Kg	1	⊗	8270C LL	Total/NA
Pyrene	24.7	J	36.1	1.99	ug/Kg	1	⊗	8270C LL	Total/NA
1,1'-Biphenyl	4.83	J	36.1	4.34	ug/Kg	1	⊗	8270C LL	Total/NA
>C12-C28	683		9.03	3.66	mg/Kg	1	⊗	TX 1005	Total/NA
>C28-C35	361		9.03	3.66	mg/Kg	1	⊗	TX 1005	Total/NA
C6-C35	1040		9.03	3.43	mg/Kg	1	⊗	TX 1005	Total/NA
Chloride	13.4	b	8.80	1.17	mg/Kg	2	⊗	9056A	Soluble
Lead	3.53		0.510	0.107	mg/Kg	1	⊗	6010B	Total/NA
Chromium	4.14		0.510	0.0516	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.0357	J	0.255	0.0261	mg/Kg	1	⊗	6010B	Total/NA
Barium	31.9		1.02	0.0306	mg/Kg	1	⊗	6010B	Total/NA
Arsenic	1.82		1.02	0.222	mg/Kg	1	⊗	6010B	Total/NA
Mercury	5.87	J	18.5	3.90	ug/Kg	1	⊗	7471A	Total/NA

## **Client Sample ID: B3 @12.5-16**

## **Lab Sample ID: 600-202277-6**

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	6.45	J b	11.4	2.49	ug/Kg	1	⊗	8260B	Total/NA
Bis(2-ethylhexyl) phthalate	21.9	J	39.1	6.31	ug/Kg	1	⊗	8270C LL	Total/NA
Di-n-butyl phthalate	5.14	J	78.4	3.04	ug/Kg	1	⊗	8270C LL	Total/NA
Chloride	11.1	b	9.53	1.27	mg/Kg	2	⊗	9056A	Soluble
Lead	15.0		0.562	0.118	mg/Kg	1	⊗	6010B	Total/NA
Chromium	7.72		0.562	0.0569	mg/Kg	1	⊗	6010B	Total/NA
Barium	27.0		1.12	0.0337	mg/Kg	1	⊗	6010B	Total/NA
Arsenic	9.43		1.12	0.245	mg/Kg	1	⊗	6010B	Total/NA
Mercury	8.66	J	18.5	3.90	ug/Kg	1	⊗	7471A	Total/NA

## **Client Sample ID: B4/MW2 @0-2.5**

## **Lab Sample ID: 600-202277-7**

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	401	E *	7.33	1.22	ug/Kg	1	⊗	8260B	Total/NA
2-Butanone (MEK)	55.6	*	7.33	1.39	ug/Kg	1	⊗	8260B	Total/NA
Bis(2-ethylhexyl) phthalate	250	J	381	61.5	ug/Kg	10	⊗	8270C LL	Total/NA
Pyrene	36.3	J	381	21.0	ug/Kg	10	⊗	8270C LL	Total/NA
Chloride	20.8	J b	22.6	3.01	mg/Kg	5	⊗	9056A	Soluble
Lead	124		5.41	1.14	mg/Kg	10	⊗	6010B	Total/NA
Chromium	5.01		0.541	0.0548	mg/Kg	1	⊗	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Houston

# Detection Summary

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Client Sample ID: B4/MW2 @0-2.5 (Continued)

## Lab Sample ID: 600-202277-7

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	5.20		2.71	0.277	mg/Kg	10	⊗	6010B	Total/NA
Barium	76.7		1.08	0.0325	mg/Kg	1	⊗	6010B	Total/NA
Arsenic	2.87 J		10.8	2.36	mg/Kg	10	⊗	6010B	Total/NA
Mercury	4.23 J		19.5	4.11	ug/Kg	1	⊗	7471A	Total/NA

## Client Sample ID: B4/MW2 @30-35

## Lab Sample ID: 600-202277-8

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	4.91 J b		8.93	1.96	ug/Kg	1	⊗	8260B	Total/NA
Trichloroethene	14.8		5.13	1.44	ug/Kg	1	⊗	8260B	Total/NA
Bis(2-ethylhexyl) phthalate	13.4 J		43.7	7.05	ug/Kg	1	⊗	8270C LL	Total/NA
Chloride	499 b		10.5	1.41	mg/Kg	2	⊗	9056A	Soluble
Lead	7.51		0.621	0.130	mg/Kg	1	⊗	6010B	Total/NA
Chromium	9.92		0.621	0.0628	mg/Kg	1	⊗	6010B	Total/NA
Barium	124		1.24	0.0373	mg/Kg	1	⊗	6010B	Total/NA
Arsenic	3.66		1.24	0.271	mg/Kg	1	⊗	6010B	Total/NA
Mercury	12.7 J		22.4	4.71	ug/Kg	1	⊗	7471A	Total/NA

## Client Sample ID: B5 @0-2.5

## Lab Sample ID: 600-202277-9

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	26.9 J		39.2	1.62	ug/Kg	1	⊗	8270C LL	Total/NA
Benzo[b]fluoranthene	46.5		39.2	2.02	ug/Kg	1	⊗	8270C LL	Total/NA
Benzo[k]fluoranthene	16.3 J		39.2	1.75	ug/Kg	1	⊗	8270C LL	Total/NA
Benzo[g,h,i]perylene	22.8 J		39.2	5.96	ug/Kg	1	⊗	8270C LL	Total/NA
Benzo[a]pyrene	24.4 J		39.2	1.89	ug/Kg	1	⊗	8270C LL	Total/NA
Bis(2-ethylhexyl) phthalate	8.98 J		39.2	6.31	ug/Kg	1	⊗	8270C LL	Total/NA
Chrysene	36.7 J		39.2	1.20	ug/Kg	1	⊗	8270C LL	Total/NA
Fluoranthene	79.0		39.2	3.66	ug/Kg	1	⊗	8270C LL	Total/NA
Indeno[1,2,3-cd]pyrene	20.5 J		39.2	4.12	ug/Kg	1	⊗	8270C LL	Total/NA
Phenanthrene	32.9 J		39.2	5.82	ug/Kg	1	⊗	8270C LL	Total/NA
Pyrene	67.5		39.2	2.15	ug/Kg	1	⊗	8270C LL	Total/NA
Acetophenone	6.70 J		39.2	3.88	ug/Kg	1	⊗	8270C LL	Total/NA
>C12-C28	60.3		10.0	4.08	mg/Kg	1	⊗	TX 1005	Total/NA
>C28-C35	112		10.0	4.08	mg/Kg	1	⊗	TX 1005	Total/NA
C6-C35	172		10.0	3.82	mg/Kg	1	⊗	TX 1005	Total/NA
Chloride	12.3 J b		23.6	3.15	mg/Kg	5	⊗	9056A	Soluble
Lead	12.2		0.572	0.120	mg/Kg	1	⊗	6010B	Total/NA
Chromium	10.1		0.572	0.0579	mg/Kg	1	⊗	6010B	Total/NA
Cadmium	0.132 J		0.286	0.0293	mg/Kg	1	⊗	6010B	Total/NA
Barium	80.3		1.14	0.0343	mg/Kg	1	⊗	6010B	Total/NA
Arsenic	4.70		1.14	0.250	mg/Kg	1	⊗	6010B	Total/NA

## Client Sample ID: B5 @12.5-15

## Lab Sample ID: 600-202277-10

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.42 J b		9.67	2.12	ug/Kg	1	⊗	8260B	Total/NA
Bis(2-ethylhexyl) phthalate	8.70 J		40.3	6.49	ug/Kg	1	⊗	8270C LL	Total/NA
Chloride	5.77 J b		9.74	1.30	mg/Kg	2	⊗	9056A	Soluble
Lead	11.5		0.566	0.119	mg/Kg	1	⊗	6010B	Total/NA
Chromium	6.16		0.566	0.0573	mg/Kg	1	⊗	6010B	Total/NA
Barium	34.0		1.13	0.0340	mg/Kg	1	⊗	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Houston

## Detection Summary

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

### Client Sample ID: B5 @12.5-15 (Continued)

### Lab Sample ID: 600-202277-10

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.96		1.13	0.247	mg/Kg	1	⊗	6010B	Total/NA
Mercury	4.95	J	19.6	4.13	ug/Kg	1	⊗	7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B1/MW1 @0-2.5**

**Lab Sample ID: 600-202277-1**

Date Collected: 03/12/20 15:21

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 82.3

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.66	U	10.0	1.66	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Benzene	0.631	U	5.01	0.631	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Bromoform	1.37	U	5.01	1.37	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Bromomethane	0.831	U	10.0	0.831	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
2-Butanone (MEK)	1.90	U	10.0	1.90	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Carbon disulfide	0.551	U	10.0	0.551	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Carbon tetrachloride	1.13	U	5.01	1.13	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Dibromochloromethane	0.941	U	5.01	0.941	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Chlorobenzene	0.961	U	5.01	0.961	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Chloroethane	1.40	U	10.0	1.40	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Chloroform	0.661	U	10.0	0.661	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Chloromethane	1.66	U	10.0	1.66	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
1,1-Dichloroethane	0.871	U	5.01	0.871	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
1,2-Dichloroethane	0.901	U	5.01	0.901	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
1,1-Dichloroethene	1.22	U	5.01	1.22	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
cis-1,2-Dichloroethene	0.831	U	5.01	0.831	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
trans-1,2-Dichloroethene	1.14	U	5.01	1.14	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
1,2-Dichloropropane	0.711	U	5.01	0.711	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
cis-1,3-Dichloropropene	0.541	U	5.01	0.541	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
trans-1,3-Dichloropropene	0.581	U	5.01	0.581	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Ethylbenzene	1.02	U	5.01	1.02	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
2-Hexanone	1.01	U	10.0	1.01	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
<b>Methylene Chloride</b>	<b>2.91</b>	<b>J</b>	10.0	2.19	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Styrene	0.711	U	5.01	0.711	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
1,1,2,2-Tetrachloroethane	0.871	U	5.01	0.871	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Tetrachloroethene	0.711	U	5.01	0.711	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Toluene	1.38	U	5.01	1.38	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
1,1,1-Trichloroethane	0.741	U	5.01	0.741	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
1,1,2-Trichloroethane	0.731	U	5.01	0.731	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Trichloroethene	1.40	U	5.01	1.40	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Vinyl acetate	0.931	U	10.0	0.931	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Vinyl chloride	0.901	U	10.0	0.901	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
o-Xylene	1.13	U	5.01	1.13	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
m-Xylene & p-Xylene	1.52	U	5.01	1.52	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Xylenes, Total	1.13	U	5.01	1.13	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Bromodichloromethane	0.661	U	5.01	0.661	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.44	U	5.01	1.44	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
1,2-Dibromo-3-Chloropropane	2.44	U	5.01	2.44	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Dichlorodifluoromethane	1.54	U	5.01	1.54	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
1,2-Dibromoethane	1.02	U	5.01	1.02	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Isopropylbenzene	0.921	U	5.01	0.921	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Methyl tert-butyl ether	1.83	U	5.01	1.83	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1
Cyclohexane	1.92	U	5.01	1.92	ug/Kg	✉	03/14/20 16:05	03/16/20 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	82		50 - 130	03/14/20 16:05	03/16/20 18:59	1
Dibromofluoromethane	87		68 - 140	03/14/20 16:05	03/16/20 18:59	1
4-Bromofluorobenzene	91		57 - 140	03/14/20 16:05	03/16/20 18:59	1
1,2-Dichloroethane-d4 (Surr)	90		61 - 130	03/14/20 16:05	03/16/20 18:59	1

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B1/MW1 @0-2.5**

**Lab Sample ID: 600-202277-1**

Date Collected: 03/12/20 15:21

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 82.3

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	87.2	U	2020	87.2	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Acenaphthylene	60.6	U	2020	60.6	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Anthracene	77.5	U	2020	77.5	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Benzo[a]anthracene	83.6	U	2020	83.6	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
<b>Benzo[b]fluoranthene</b>	<b>1140</b>	<b>J</b>	2020	104	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
<b>Benzo[k]fluoranthene</b>	<b>614</b>	<b>J</b>	2020	90.3	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
<b>Benzo[g,h,i]perylene</b>	<b>1280</b>	<b>J</b>	2020	307	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
<b>Benzo[a]pyrene</b>	<b>857</b>	<b>J</b>	2020	97.5	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Bis(2-chloroethoxy)methane	86.0	U	2020	86.0	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Bis(2-chloroethyl)ether	99.9	U	2020	99.9	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Bis(2-ethylhexyl) phthalate	325	U	2020	325	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
4-Bromophenyl phenyl ether	172	U	2020	172	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Butyl benzyl phthalate	375	U	4040	375	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
4-Chloroaniline	353	U	2020	353	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
2-Chloronaphthalene	73.3	U	2020	73.3	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
4-Chlorophenyl phenyl ether	109	U	2020	109	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Carbazole	189	U	2020	189	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Chrysene	61.8	U	2020	61.8	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Di-n-butyl phthalate	157	U	4040	157	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Dibenz(a,h)anthracene	220	U	2020	220	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Dibenzofuran	108	U	2020	108	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
3,3'-Dichlorobenzidine	615	U	2020	615	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Diethyl phthalate	511	U	4040	511	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Dimethyl phthalate	296	U	4040	296	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
2,4-Dinitrotoluene	219	U	2020	219	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Di-n-octyl phthalate	115	U	4040	115	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
<b>Fluoranthene</b>	<b>1550</b>	<b>J</b>	2020	188	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Fluorene	143	U	2020	143	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Hexachlorobenzene	92.1	U	2020	92.1	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Hexachlorocyclopentadiene	279	U	2020	279	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Hexachloroethane	140	U	2020	140	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Hexachlorobutadiene	116	U	2020	116	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
<b>Indeno[1,2,3-cd]pyrene</b>	<b>1030</b>	<b>J</b>	2020	212	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Isophorone	60.6	U	2020	60.6	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
2-Methylnaphthalene	166	U	2020	166	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Naphthalene	81.8	U	2020	81.8	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
2-Nitroaniline	296	U	2020	296	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
3-Nitroaniline	433	U	2020	433	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
4-Nitroaniline	675	U	2020	675	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Nitrobenzene	179	U	2020	179	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
N-Nitrosodiphenylamine	114	U	2020	114	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
N-Nitrosodi-n-propylamine	134	U	2020	134	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
<b>Phenanthrene</b>	<b>431</b>	<b>J</b>	2020	300	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
<b>Pyrene</b>	<b>1350</b>	<b>J</b>	2020	111	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
4-Chloro-3-methylphenol	944	U	2020	944	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
2-Chlorophenol	119	U	2020	119	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
2-Methylphenol	196	U	2020	196	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
3 & 4 Methylphenol	169	U	2020	169	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
2,4-Dichlorophenol	234	U	2020	234	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50

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# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B1/MW1 @0-2.5**

**Lab Sample ID: 600-202277-1**

Date Collected: 03/12/20 15:21

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 82.3

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	520	U	2020	520	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
4,6-Dinitro-2-methylphenol	302	U	10300	302	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
2,4-Dinitrophenol	286	U	6060	286	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
2-Nitrophenol	236	U	2020	236	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
4-Nitrophenol	308	U	12100	308	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Pentachlorophenol	242	U	10100	242	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Phenol	257	U	2020	257	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
2,4,5-Trichlorophenol	606	U	2020	606	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
2,4,6-Trichlorophenol	162	U	2020	162	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
2,6-Dinitrotoluene	179	U	2020	179	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
bis (2-Chloroisopropyl) ether	535	U	2020	535	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
1,1'-Biphenyl	242	U	2020	242	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50
Acetophenone	200	U	2020	200	ug/Kg	✉	03/19/20 07:20	03/20/20 10:15	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	0	X	53 - 134	03/19/20 07:20	03/20/20 10:15	50
Nitrobenzene-d5	0	X	10 - 155	03/19/20 07:20	03/20/20 10:15	50
2-Fluorophenol	0	X	25 - 132	03/19/20 07:20	03/20/20 10:15	50
2-Fluorobiphenyl	0	X	38 - 130	03/19/20 07:20	03/20/20 10:15	50
2,4,6-Tribromophenol	0	X	10 - 148	03/19/20 07:20	03/20/20 10:15	50
Phenol-d5 (Surr)	0	X	27 - 130	03/19/20 07:20	03/20/20 10:15	50

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.71	U	9.77	3.71	mg/Kg	✉	03/14/20 14:05	03/16/20 18:34	1
>C12-C28	3.97	U	9.77	3.97	mg/Kg	✉	03/14/20 14:05	03/16/20 18:34	1
>C28-C35	3.97	U	9.77	3.97	mg/Kg	✉	03/14/20 14:05	03/16/20 18:34	1
C6-C35	3.71	U	9.77	3.71	mg/Kg	✉	03/14/20 14:05	03/16/20 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	92		70 - 130	03/14/20 14:05	03/16/20 18:34	1

## Method: 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.08	J	9.88	1.32	mg/Kg	✉	03/24/20 15:16		2

## Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19.2		2.81	0.591	mg/Kg	✉	03/18/20 16:33	03/23/20 11:13	5
Chromium	11.5		0.563	0.0570	mg/Kg	✉	03/18/20 16:33	03/20/20 12:25	1
Cadmium	2.21		0.281	0.0288	mg/Kg	✉	03/18/20 16:33	03/20/20 12:25	1
Barium	2970		5.63	0.169	mg/Kg	✉	03/18/20 16:33	03/23/20 11:13	5
Arsenic	4.63		1.13	0.245	mg/Kg	✉	03/18/20 16:33	03/20/20 12:25	1
Silver	0.134	U	0.450	0.134	mg/Kg	✉	03/18/20 16:33	03/20/20 12:25	1
Selenium	0.822	J	2.25	0.292	mg/Kg	✉	03/18/20 16:33	03/20/20 12:25	1

## Method: 7471A - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	21.8		19.4	4.08	ug/Kg	✉	03/18/20 10:48	03/18/20 15:25	1

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# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B1/MW1 @0-2.5**

Date Collected: 03/12/20 15:21

Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-1**

Matrix: Solid

Percent Solids: 82.3

## General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17.7		1.0	1.0	%			03/17/20 09:08	1
Percent Solids	82.3		1.0	1.0	%			03/17/20 09:08	1

**Client Sample ID: B1/MW1 @20-24**

Date Collected: 03/12/20 15:46

Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-2**

Matrix: Solid

Percent Solids: 73.3

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.68	U	10.1	1.68	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Benzene	0.639	U	5.07	0.639	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Bromoform	1.39	U	5.07	1.39	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Bromomethane	0.842	U	10.1	0.842	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
2-Butanone (MEK)	1.93	U	10.1	1.93	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Carbon disulfide	0.558	U	10.1	0.558	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Carbon tetrachloride	1.15	U	5.07	1.15	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Dibromochloromethane	0.954	U	5.07	0.954	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Chlorobenzene	0.974	U	5.07	0.974	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Chloroethane	1.42	U	10.1	1.42	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Chloroform	0.670	U	10.1	0.670	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Chloromethane	1.68	U	10.1	1.68	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
1,1-Dichloroethane	0.883	U	5.07	0.883	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
1,2-Dichloroethane	0.913	U	5.07	0.913	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
1,1-Dichloroethene	1.24	U	5.07	1.24	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
<b>cis-1,2-Dichloroethene</b>	<b>1.81</b>	<b>J</b>	5.07	0.842	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
<b>trans-1,2-Dichloroethene</b>	<b>1.81</b>	<b>J</b>	5.07	1.16	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
1,2-Dichloropropane	0.720	U	5.07	0.720	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
cis-1,3-Dichloropropene	0.548	U	5.07	0.548	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
trans-1,3-Dichloropropene	0.589	U	5.07	0.589	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Ethylbenzene	1.03	U	5.07	1.03	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
2-Hexanone	1.02	U	10.1	1.02	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Methylene Chloride	2.22	U	10.1	2.22	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Styrene	0.720	U	5.07	0.720	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
1,1,2,2-Tetrachloroethane	0.883	U	5.07	0.883	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Tetrachloroethene	0.720	U	5.07	0.720	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Toluene	1.40	U	5.07	1.40	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
1,1,1-Trichloroethane	0.751	U	5.07	0.751	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
1,1,2-Trichloroethane	0.741	U	5.07	0.741	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
<b>Trichloroethene</b>	<b>20.1</b>		5.07	1.42	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Vinyl acetate	0.944	U	10.1	0.944	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Vinyl chloride	0.913	U	10.1	0.913	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
o-Xylene	1.15	U	5.07	1.15	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
m-Xylene & p-Xylene	1.54	U	5.07	1.54	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Xylenes, Total	1.15	U	5.07	1.15	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Bromodichloromethane	0.670	U	5.07	0.670	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.46	U	5.07	1.46	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
1,2-Dibromo-3-Chloropropane	2.48	U	5.07	2.48	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Dichlorodifluoromethane	1.56	U	5.07	1.56	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
1,2-Dibromoethane	1.03	U	5.07	1.03	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1
Isopropylbenzene	0.933	U	5.07	0.933	ug/Kg	✉	03/14/20 16:05	03/16/20 19:21	1

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# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B1/MW1 @20-24**

**Lab Sample ID: 600-202277-2**

Date Collected: 03/12/20 15:46

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 73.3

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	1.86	U	5.07	1.86	ug/Kg	⌚	03/14/20 16:05	03/16/20 19:21	1
Cyclohexane	1.95	U	5.07	1.95	ug/Kg	⌚	03/14/20 16:05	03/16/20 19:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	81		50 - 130				03/14/20 16:05	03/16/20 19:21	1
Dibromofluoromethane	90		68 - 140				03/14/20 16:05	03/16/20 19:21	1
4-Bromofluorobenzene	88		57 - 140				03/14/20 16:05	03/16/20 19:21	1
1,2-Dichloroethane-d4 (Surr)	93		61 - 130				03/14/20 16:05	03/16/20 19:21	1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.96	U	45.2	1.96	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Acenaphthylene	1.36	U	45.2	1.36	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Anthracene	1.74	U	45.2	1.74	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Benzo[a]anthracene	1.87	U	45.2	1.87	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Benzo[b]fluoranthene	2.34	U	45.2	2.34	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Benzo[k]fluoranthene	2.02	U	45.2	2.02	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Benzo[g,h,i]perylene	6.89	U	45.2	6.89	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Benzo[a]pyrene	2.19	U	45.2	2.19	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Bis(2-chloroethoxy)methane	1.93	U	45.2	1.93	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Bis(2-chloroethyl)ether	2.24	U	45.2	2.24	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>10.0 J</b>		45.2	7.30	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
4-Bromophenyl phenyl ether	3.86	U	45.2	3.86	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Butyl benzyl phthalate	8.41	U	90.6	8.41	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
4-Chloroaniline	7.91	U	45.2	7.91	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
2-Chloronaphthalene	1.64	U	45.2	1.64	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
4-Chlorophenyl phenyl ether	2.45	U	45.2	2.45	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Carbazole	4.24	U	45.2	4.24	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Chrysene	1.39	U	45.2	1.39	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Di-n-butyl phthalate	3.52	U	90.6	3.52	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Dibenz(a,h)anthracene	4.93	U	45.2	4.93	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Dibenzofuran	2.42	U	45.2	2.42	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
3,3'-Dichlorobenzidine	13.8	U	45.2	13.8	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Diethyl phthalate	11.5	U	90.6	11.5	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Dimethyl phthalate	6.64	U	90.6	6.64	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
2,4-Dinitrotoluene	4.90	U	45.2	4.90	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Di-n-octyl phthalate	2.58	U	90.6	2.58	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Fluoranthene	4.23	U	45.2	4.23	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Fluorene	3.21	U	45.2	3.21	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Hexachlorobenzene	2.07	U	45.2	2.07	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Hexachlorocyclopentadiene	6.26	U	45.2	6.26	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Hexachloroethane	3.14	U	45.2	3.14	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Hexachlorobutadiene	2.61	U	45.2	2.61	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Indeno[1,2,3-cd]pyrene	4.76	U	45.2	4.76	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Isophorone	1.36	U	45.2	1.36	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
2-Methylnaphthalene	3.72	U	45.2	3.72	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
Naphthalene	1.83	U	45.2	1.83	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
2-Nitroaniline	6.64	U	45.2	6.64	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
3-Nitroaniline	9.71	U	45.2	9.71	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1
4-Nitroaniline	15.1	U	45.2	15.1	ug/Kg	⌚	03/19/20 07:20	03/20/20 10:41	1

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# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B1/MW1 @20-24**

**Lab Sample ID: 600-202277-2**

Date Collected: 03/12/20 15:46

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 73.3

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	4.02	U	45.2	4.02	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
N-Nitrosodiphenylamine	2.57	U	45.2	2.57	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
N-Nitrosodi-n-propylamine	3.02	U	45.2	3.02	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
Phenanthrene	6.73	U	45.2	6.73	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
Pyrene	2.49	U	45.2	2.49	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
4-Chloro-3-methylphenol	21.2	U	45.2	21.2	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
2-Chlorophenol	2.68	U	45.2	2.68	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
2-Methylphenol	4.39	U	45.2	4.39	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
3 & 4 Methylphenol	3.79	U	45.2	3.79	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
2,4-Dichlorophenol	5.26	U	45.2	5.26	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
2,4-Dimethylphenol	11.7	U	45.2	11.7	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
4,6-Dinitro-2-methylphenol	6.77	U	231	6.77	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
2,4-Dinitrophenol	6.41	U	136	6.41	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
2-Nitrophenol	5.28	U	45.2	5.28	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
4-Nitrophenol	6.90	U	272	6.90	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
Pentachlorophenol	5.43	U	227	5.43	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
Phenol	5.76	U	45.2	5.76	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
2,4,5-Trichlorophenol	13.6	U	45.2	13.6	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
2,4,6-Trichlorophenol	3.64	U	45.2	3.64	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
2,6-Dinitrotoluene	4.01	U	45.2	4.01	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
bis (2-Chloroisopropyl) ether	12.0	U	45.2	12.0	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
1,1'-Biphenyl	5.43	U	45.2	5.43	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1
Acetophenone	4.48	U	45.2	4.48	ug/Kg	✉	03/19/20 07:20	03/20/20 10:41	1

## Surrogate

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	83		53 - 134	03/19/20 07:20	03/20/20 10:41	1
Nitrobenzene-d5	71		10 - 155	03/19/20 07:20	03/20/20 10:41	1
2-Fluorophenol	64		25 - 132	03/19/20 07:20	03/20/20 10:41	1
2-Fluorobiphenyl	79		38 - 130	03/19/20 07:20	03/20/20 10:41	1
2,4,6-Tribromophenol	53		10 - 148	03/19/20 07:20	03/20/20 10:41	1
Phenol-d5 (Surr)	60		27 - 130	03/19/20 07:20	03/20/20 10:41	1

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	4.05	U	10.7	4.05	mg/Kg	✉	03/14/20 14:05	03/16/20 19:08	1
>C12-C28	4.33	U	10.7	4.33	mg/Kg	✉	03/14/20 14:05	03/16/20 19:08	1
>C28-C35	4.33	U	10.7	4.33	mg/Kg	✉	03/14/20 14:05	03/16/20 19:08	1
C6-C35	4.05	U	10.7	4.05	mg/Kg	✉	03/14/20 14:05	03/16/20 19:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	83		70 - 130	03/14/20 14:05	03/16/20 19:08	1

## Method: 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.5		10.9	1.46	mg/Kg	✉	03/24/20 15:37		2

## Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.19		0.669	0.141	mg/Kg	✉	03/18/20 16:33	03/20/20 12:31	1
Chromium	8.55		0.669	0.0677	mg/Kg	✉	03/18/20 16:33	03/20/20 12:31	1
Cadmium	0.248	J	0.335	0.0343	mg/Kg	✉	03/18/20 16:33	03/20/20 12:31	1

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# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B1/MW1 @20-24**

**Lab Sample ID: 600-202277-2**

Date Collected: 03/12/20 15:46

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 73.3

**Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry (Continued)**

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	28.6		1.34	0.0401	mg/Kg	✉	03/18/20 16:33	03/20/20 12:31	1
Arsenic	1.34		1.34	0.292	mg/Kg	✉	03/18/20 16:33	03/20/20 12:31	1
Silver	0.159	U	0.535	0.159	mg/Kg	✉	03/18/20 16:33	03/20/20 12:31	1
Selenium	0.347	U	2.68	0.347	mg/Kg	✉	03/18/20 16:33	03/20/20 12:31	1

**Method: 7471A - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	23.6		22.5	4.73	ug/Kg	✉	03/18/20 10:48	03/18/20 15:27	1

**General Chemistry**

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	26.7		1.0	1.0	%			03/17/20 09:08	1
Percent Solids	73.3		1.0	1.0	%			03/17/20 09:08	1

**Client Sample ID: B2 @ 0-2.5**

**Lab Sample ID: 600-202277-3**

Date Collected: 03/12/20 16:09

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 81.3

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.94	U	11.7	1.94	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
Benzene	0.736	U	5.84	0.736	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
Bromoform	1.60	U	5.84	1.60	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
Bromomethane	0.969	U	11.7	0.969	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
2-Butanone (MEK)	2.22	U	11.7	2.22	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
Carbon disulfide	0.642	U	11.7	0.642	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
Carbon tetrachloride	1.32	U	5.84	1.32	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
Dibromochloromethane	1.10	U	5.84	1.10	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
Chlorobenzene	1.12	U	5.84	1.12	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
Chloroethane	1.63	U	11.7	1.63	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
Chloroform	0.771	U	11.7	0.771	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
Chloromethane	1.94	U	11.7	1.94	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
1,1-Dichloroethane	1.02	U	5.84	1.02	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
1,2-Dichloroethane	1.05	U	5.84	1.05	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
1,1-Dichloroethene	1.42	U	5.84	1.42	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
cis-1,2-Dichloroethene	0.969	U	5.84	0.969	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
trans-1,2-Dichloroethene	1.33	U	5.84	1.33	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
1,2-Dichloropropane	0.829	U	5.84	0.829	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
cis-1,3-Dichloropropene	0.631	U	5.84	0.631	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
trans-1,3-Dichloropropene	0.677	U	5.84	0.677	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
Ethylbenzene	1.19	U	5.84	1.19	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
2-Hexanone	1.18	U	11.7	1.18	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
<b>Methylene Chloride</b>	<b>5.11</b>	<b>J b</b>	<b>11.7</b>	<b>2.56</b>	<b>ug/Kg</b>				
Styrene	0.829	U	5.84	0.829	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
1,1,2,2-Tetrachloroethane	1.02	U	5.84	1.02	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
Tetrachloroethene	0.829	U	5.84	0.829	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
Toluene	1.61	U	5.84	1.61	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
1,1,1-Trichloroethane	0.864	U	5.84	0.864	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
1,1,2-Trichloroethane	0.852	U	5.84	0.852	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1
Trichloroethene	1.63	U	5.84	1.63	ug/Kg	✉	03/14/20 16:05	03/17/20 16:29	1

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# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B2 @ 0-2.5**  
**Date Collected: 03/12/20 16:09**  
**Date Received: 03/14/20 10:52**

**Lab Sample ID: 600-202277-3**  
**Matrix: Solid**  
**Percent Solids: 81.3**

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	1.09	U		11.7	1.09	ug/Kg	⌚ 03/14/20 16:05	03/17/20 16:29	1
Vinyl chloride	1.05	U		11.7	1.05	ug/Kg	⌚ 03/14/20 16:05	03/17/20 16:29	1
o-Xylene	1.32	U		5.84	1.32	ug/Kg	⌚ 03/14/20 16:05	03/17/20 16:29	1
m-Xylene & p-Xylene	1.77	U		5.84	1.77	ug/Kg	⌚ 03/14/20 16:05	03/17/20 16:29	1
Xylenes, Total	1.32	U		5.84	1.32	ug/Kg	⌚ 03/14/20 16:05	03/17/20 16:29	1
Bromodichloromethane	0.771	U		5.84	0.771	ug/Kg	⌚ 03/14/20 16:05	03/17/20 16:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.68	U		5.84	1.68	ug/Kg	⌚ 03/14/20 16:05	03/17/20 16:29	1
1,2-Dibromo-3-Chloropropane	2.85	U		5.84	2.85	ug/Kg	⌚ 03/14/20 16:05	03/17/20 16:29	1
Dichlorodifluoromethane	1.80	U		5.84	1.80	ug/Kg	⌚ 03/14/20 16:05	03/17/20 16:29	1
1,2-Dibromoethane	1.19	U		5.84	1.19	ug/Kg	⌚ 03/14/20 16:05	03/17/20 16:29	1
Isopropylbenzene	1.07	U		5.84	1.07	ug/Kg	⌚ 03/14/20 16:05	03/17/20 16:29	1
Methyl tert-butyl ether	2.14	U		5.84	2.14	ug/Kg	⌚ 03/14/20 16:05	03/17/20 16:29	1
Cyclohexane	2.24	U		5.84	2.24	ug/Kg	⌚ 03/14/20 16:05	03/17/20 16:29	1
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Toluene-d8 (Surr)	90			50 - 130			03/14/20 16:05	03/17/20 16:29	1
Dibromofluoromethane	84			68 - 140			03/14/20 16:05	03/17/20 16:29	1
4-Bromofluorobenzene	84			57 - 140			03/14/20 16:05	03/17/20 16:29	1
1,2-Dichloroethane-d4 (Surr)	85			61 - 130			03/14/20 16:05	03/17/20 16:29	1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	17.6	U	408	17.6	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Acenaphthylene	12.3	U	408	12.3	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Anthracene	15.7	U	408	15.7	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Benzo[a]anthracene	16.9	U	408	16.9	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Benzo[b]fluoranthene	21.1	U	408	21.1	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Benzo[k]fluoranthene	18.3	U	408	18.3	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Benzo[g,h,i]perylene	62.1	U	408	62.1	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Benzo[a]pyrene	19.7	U	408	19.7	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Bis(2-chloroethoxy)methane	17.4	U	408	17.4	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Bis(2-chloroethyl)ether	20.2	U	408	20.2	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Bis(2-ethylhexyl) phthalate	65.8	U	408	65.8	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
4-Bromophenyl phenyl ether	34.8	U	408	34.8	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Butyl benzyl phthalate	75.8	U	817	75.8	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
4-Chloroaniline	71.3	U	408	71.3	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
2-Chloronaphthalene	14.8	U	408	14.8	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
4-Chlorophenyl phenyl ether	22.1	U	408	22.1	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Carbazole	38.2	U	408	38.2	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Chrysene	12.5	U	408	12.5	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Di-n-butyl phthalate	31.7	U	817	31.7	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Dibenz(a,h)anthracene	44.5	U	408	44.5	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Dibenzofuran	21.8	U	408	21.8	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
3,3'-Dichlorobenzidine	124	U	408	124	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Diethyl phthalate	103	U	817	103	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Dimethyl phthalate	59.9	U	817	59.9	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
2,4-Dinitrotoluene	44.2	U	408	44.2	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Di-n-octyl phthalate	23.3	U	817	23.3	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Fluoranthene	38.1	U	408	38.1	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	
Fluorene	28.9	U	408	28.9	ug/Kg	⌚ 03/19/20 07:20	03/20/20 11:57	10	

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# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B2 @ 0-2.5**  
**Date Collected: 03/12/20 16:09**  
**Date Received: 03/14/20 10:52**

**Lab Sample ID: 600-202277-3**  
**Matrix: Solid**  
**Percent Solids: 81.3**

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	18.6	U	408	18.6	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
Hexachlorocyclopentadiene	56.5	U	408	56.5	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
Hexachloroethane	28.3	U	408	28.3	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
Hexachlorobutadiene	23.5	U	408	23.5	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
Indeno[1,2,3-cd]pyrene	42.9	U	408	42.9	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
Isophorone	12.3	U	408	12.3	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
2-Methylnaphthalene	33.6	U	408	33.6	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
Naphthalene	16.5	U	408	16.5	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
2-Nitroaniline	59.9	U	408	59.9	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
3-Nitroaniline	87.6	U	408	87.6	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
4-Nitroaniline	137	U	408	137	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
Nitrobenzene	36.3	U	408	36.3	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
N-Nitrosodiphenylamine	23.2	U	408	23.2	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
Phenanthrene	27.2	U	408	27.2	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
Pyrene	60.6	U	408	60.6	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
4-Chloro-3-methylphenol	22.4	U	408	22.4	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
2-Chlorophenol	191	U	408	191	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
2-Methylphenol	24.1	U	408	24.1	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
3 & 4 Methylphenol	39.6	U	408	39.6	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
3,4-Dichlorophenol	34.2	U	408	34.2	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
2,4-Dimethylphenol	47.4	U	408	47.4	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
4,6-Dinitro-2-methylphenol	105	U	408	105	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
2,4-Dinitrophenol	61.0	U	2080	61.0	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
2,4,4-Dinitrophenol	57.8	U	1230	57.8	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
2-Nitrophenol	123	U	408	123	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
4-Nitrophenol	32.8	U	408	32.8	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
Pentachlorophenol	62.2	U	2450	62.2	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
Phenol	49.0	U	2050	49.0	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
2,4,5-Trichlorophenol	51.9	U	408	51.9	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
2,4,6-Trichlorophenol	108	U	408	108	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
2,6-Dinitrotoluene	49.0	U	408	49.0	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
bis (2-Chloroisopropyl) ether	40.4	U	408	40.4	ug/Kg	✉	03/19/20 07:20	03/20/20 11:57	10
1,1'-Biphenyl	98	U	53 - 134						
Acetophenone									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	70		10 - 155	03/19/20 07:20	03/20/20 11:57	10
Nitrobenzene-d5	71		25 - 132	03/19/20 07:20	03/20/20 11:57	10
2-Fluorophenol	67		38 - 130	03/19/20 07:20	03/20/20 11:57	10
2,4,6-Tribromophenol	55		10 - 148	03/19/20 07:20	03/20/20 11:57	10
Phenol-d5 (Surr)	41		27 - 130	03/19/20 07:20	03/20/20 11:57	10

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	4.08	U	10.7	4.08	mg/Kg	✉	03/14/20 14:05	03/16/20 19:42	1
>C12-C28	44.7		10.7	4.36	mg/Kg	✉	03/14/20 14:05	03/16/20 19:42	1
>C28-C35	4.36	U	10.7	4.36	mg/Kg	✉	03/14/20 14:05	03/16/20 19:42	1
C6-C35	44.7		10.7	4.08	mg/Kg	✉	03/14/20 14:05	03/16/20 19:42	1

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B2 @ 0-2.5**  
Date Collected: 03/12/20 16:09  
Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-3**  
Matrix: Solid  
Percent Solids: 81.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	88		70 - 130	03/14/20 14:05	03/16/20 19:42	1

Method: 9056A - Anions, Ion Chromatography - Soluble						
Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D
Chloride	8.82	J	9.98	1.33	mg/Kg	⊗

Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry						
Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D
Lead	58.4		0.580	0.122	mg/Kg	⊗
Chromium	11.7		0.580	0.0587	mg/Kg	⊗
Cadmium	2.34		0.290	0.0297	mg/Kg	⊗
Barium	202		1.16	0.0348	mg/Kg	⊗
Arsenic	3.70		1.16	0.253	mg/Kg	⊗
Silver	0.138	U	0.464	0.138	mg/Kg	⊗
Selenium	0.301	U	2.32	0.301	mg/Kg	⊗

Method: 7471A - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)						
Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D
Mercury	12.5	J	20.6	4.33	ug/Kg	⊗

General Chemistry						
Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D
Percent Moisture	18.7		1.0	1.0	%	
Percent Solids	81.3		1.0	1.0	%	

**Client Sample ID: B2 @12.5-15**  
Date Collected: 03/12/20 16:27  
Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-4**  
Matrix: Solid  
Percent Solids: 84.8

Method: 8260B - Volatile Organic Compounds (GC/MS)						
Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D
Acetone	1.77	U	10.7	1.77	ug/Kg	⊗
Benzene	0.671	U	5.33	0.671	ug/Kg	⊗
Bromoform	1.46	U	5.33	1.46	ug/Kg	⊗
Bromomethane	0.884	U	10.7	0.884	ug/Kg	⊗
2-Butanone (MEK)	2.02	U *	10.7	2.02	ug/Kg	⊗
Carbon disulfide	0.586	U	10.7	0.586	ug/Kg	⊗
Carbon tetrachloride	1.20	U	5.33	1.20	ug/Kg	⊗
Dibromochloromethane	1.00	U	5.33	1.00	ug/Kg	⊗
Chlorobenzene	1.02	U	5.33	1.02	ug/Kg	⊗
Chloroethane	1.49	U	10.7	1.49	ug/Kg	⊗
Chloroform	0.703	U	10.7	0.703	ug/Kg	⊗
Chloromethane	1.77	U	10.7	1.77	ug/Kg	⊗
1,1-Dichloroethane	0.927	U	5.33	0.927	ug/Kg	⊗
1,2-Dichloroethane	0.959	U	5.33	0.959	ug/Kg	⊗
1,1-Dichloroethene	1.30	U	5.33	1.30	ug/Kg	⊗
cis-1,2-Dichloroethene	0.884	U	5.33	0.884	ug/Kg	⊗
trans-1,2-Dichloroethene	1.21	U	5.33	1.21	ug/Kg	⊗
1,2-Dichloropropane	0.757	U	5.33	0.757	ug/Kg	⊗
cis-1,3-Dichloropropene	0.575	U	5.33	0.575	ug/Kg	⊗
trans-1,3-Dichloropropene	0.618	U	5.33	0.618	ug/Kg	⊗

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B2 @12.5-15**  
**Date Collected: 03/12/20 16:27**  
**Date Received: 03/14/20 10:52**

**Lab Sample ID: 600-202277-4**  
**Matrix: Solid**  
**Percent Solids: 84.8**

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1.09	U	5.33	1.09	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
2-Hexanone	1.08	U *		10.7	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
<b>Methylene Chloride</b>	<b>5.24</b>	<b>J b</b>		10.7	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
Styrene	0.757	U	5.33	0.757	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
1,1,2,2-Tetrachloroethane	0.927	U	5.33	0.927	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
Tetrachloroethene	0.757	U	5.33	0.757	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
Toluene	1.47	U	5.33	1.47	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
1,1,1-Trichloroethane	0.789	U	5.33	0.789	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
1,1,2-Trichloroethane	0.778	U	5.33	0.778	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
Trichloroethene	1.49	U	5.33	1.49	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
Vinyl acetate	0.991	U		10.7	0.991 ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
Vinyl chloride	0.959	U		10.7	0.959 ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
o-Xylene	1.20	U	5.33	1.20	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
m-Xylene & p-Xylene	1.62	U	5.33	1.62	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
Xylenes, Total	1.20	U	5.33	1.20	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
Bromodichloromethane	0.703	U	5.33	0.703	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.53	U	5.33	1.53	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
1,2-Dibromo-3-Chloropropane	2.60	U	5.33	2.60	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
Dichlorodifluoromethane	1.64	U	5.33	1.64	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
1,2-Dibromoethane	1.09	U	5.33	1.09	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
Isopropylbenzene	0.980	U	5.33	0.980	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
Methyl tert-butyl ether	1.95	U	5.33	1.95	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1
Cyclohexane	2.05	U	5.33	2.05	ug/Kg	⊗	03/14/20 16:05	03/18/20 15:35	1

## Surrogate

	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	83		50 - 130	03/14/20 16:05	03/18/20 15:35	1
Dibromofluoromethane	85		68 - 140	03/14/20 16:05	03/18/20 15:35	1
4-Bromofluorobenzene	92		57 - 140	03/14/20 16:05	03/18/20 15:35	1
1,2-Dichloroethane-d4 (Surr)	85		61 - 130	03/14/20 16:05	03/18/20 15:35	1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.69	U		39.0	1.69 ug/Kg	⊗	03/19/20 07:20	03/20/20 12:23	1
Acenaphthylene	1.17	U		39.0	1.17 ug/Kg	⊗	03/19/20 07:20	03/20/20 12:23	1
Anthracene	1.50	U		39.0	1.50 ug/Kg	⊗	03/19/20 07:20	03/20/20 12:23	1
Benzo[a]anthracene	1.62	U		39.0	1.62 ug/Kg	⊗	03/19/20 07:20	03/20/20 12:23	1
Benzo[b]fluoranthene	2.02	U		39.0	2.02 ug/Kg	⊗	03/19/20 07:20	03/20/20 12:23	1
Benzo[k]fluoranthene	1.75	U		39.0	1.75 ug/Kg	⊗	03/19/20 07:20	03/20/20 12:23	1
Benzo[g,h,i]perylene	5.95	U		39.0	5.95 ug/Kg	⊗	03/19/20 07:20	03/20/20 12:23	1
Benzo[a]pyrene	1.89	U		39.0	1.89 ug/Kg	⊗	03/19/20 07:20	03/20/20 12:23	1
Bis(2-chloroethoxy)methane	1.67	U		39.0	1.67 ug/Kg	⊗	03/19/20 07:20	03/20/20 12:23	1
Bis(2-chloroethyl)ether	1.93	U		39.0	1.93 ug/Kg	⊗	03/19/20 07:20	03/20/20 12:23	1
Bis(2-ethylhexyl) phthalate	6.30	U		39.0	6.30 ug/Kg	⊗	03/19/20 07:20	03/20/20 12:23	1
4-Bromophenyl phenyl ether	3.33	U		39.0	3.33 ug/Kg	⊗	03/19/20 07:20	03/20/20 12:23	1
Butyl benzyl phthalate	7.26	U		78.2	7.26 ug/Kg	⊗	03/19/20 07:20	03/20/20 12:23	1
4-Chloroaniline	6.82	U		39.0	6.82 ug/Kg	⊗	03/19/20 07:20	03/20/20 12:23	1
2-Chloronaphthalene	1.42	U		39.0	1.42 ug/Kg	⊗	03/19/20 07:20	03/20/20 12:23	1
4-Chlorophenyl phenyl ether	2.11	U		39.0	2.11 ug/Kg	⊗	03/19/20 07:20	03/20/20 12:23	1
Carbazole	3.66	U		39.0	3.66 ug/Kg	⊗	03/19/20 07:20	03/20/20 12:23	1
Chrysene	1.20	U		39.0	1.20 ug/Kg	⊗	03/19/20 07:20	03/20/20 12:23	1

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B2 @12.5-15**  
**Date Collected: 03/12/20 16:27**  
**Date Received: 03/14/20 10:52**

**Lab Sample ID: 600-202277-4**  
**Matrix: Solid**  
**Percent Solids: 84.8**

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	3.04	U	78.2	3.04	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Dibenz(a,h)anthracene	4.26	U	39.0	4.26	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Dibenzofuran	2.09	U	39.0	2.09	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
3,3'-Dichlorobenzidine	11.9	U	39.0	11.9	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Diethyl phthalate	9.89	U	78.2	9.89	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Dimethyl phthalate	5.73	U	78.2	5.73	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
2,4-Dinitrotoluene	4.23	U	39.0	4.23	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Di-n-octyl phthalate	2.23	U	78.2	2.23	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Fluoranthene	3.65	U	39.0	3.65	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Fluorene	2.77	U	39.0	2.77	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Hexachlorobenzene	1.78	U	39.0	1.78	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Hexachlorocyclopentadiene	5.41	U	39.0	5.41	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Hexachloroethane	2.71	U	39.0	2.71	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Hexachlorobutadiene	2.25	U	39.0	2.25	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Indeno[1,2,3-cd]pyrene	4.10	U	39.0	4.10	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Isophorone	1.17	U	39.0	1.17	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
2-Methylnaphthalene	3.21	U	39.0	3.21	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Naphthalene	1.58	U	39.0	1.58	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
2-Nitroaniline	5.73	U	39.0	5.73	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
3-Nitroaniline	8.38	U	39.0	8.38	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
4-Nitroaniline	13.1	U	39.0	13.1	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Nitrobenzene	3.47	U	39.0	3.47	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
N-Nitrosodiphenylamine	2.22	U	39.0	2.22	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
N-Nitrosodi-n-propylamine	2.60	U	39.0	2.60	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Phenanthrene	5.80	U	39.0	5.80	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Pyrene	2.15	U	39.0	2.15	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
4-Chloro-3-methylphenol	18.3	U	39.0	18.3	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
2-Chlorophenol	2.31	U	39.0	2.31	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
2-Methylphenol	3.79	U	39.0	3.79	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
3 & 4 Methylphenol	3.27	U	39.0	3.27	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
2,4-Dichlorophenol	4.54	U	39.0	4.54	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
2,4-Dimethylphenol	10.1	U	39.0	10.1	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
4,6-Dinitro-2-methylphenol	5.84	U	199	5.84	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
2,4-Dinitrophenol	5.53	U	117	5.53	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
2-Nitrophenol	4.56	U	39.0	4.56	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
4-Nitrophenol	5.96	U	235	5.96	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Pentachlorophenol	4.69	U	196	4.69	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Phenol	4.97	U	39.0	4.97	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
2,4,5-Trichlorophenol	11.7	U	39.0	11.7	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
2,4,6-Trichlorophenol	3.14	U	39.0	3.14	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
2,6-Dinitrotoluene	3.46	U	39.0	3.46	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
bis (2-Chloroisopropyl) ether	10.4	U	39.0	10.4	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
1,1'-Biphenyl	4.69	U	39.0	4.69	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1
Acetophenone	3.87	U	39.0	3.87	ug/Kg	✉	03/19/20 07:20	03/20/20 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	82		53 - 134	03/19/20 07:20	03/20/20 12:23	1
Nitrobenzene-d5	71		10 - 155	03/19/20 07:20	03/20/20 12:23	1
2-Fluorophenol	73		25 - 132	03/19/20 07:20	03/20/20 12:23	1
2-Fluorobiphenyl	75		38 - 130	03/19/20 07:20	03/20/20 12:23	1

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# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B2 @12.5-15**

Date Collected: 03/12/20 16:27

Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-4**

Matrix: Solid

Percent Solids: 84.8

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	64		10 - 148	03/19/20 07:20	03/20/20 12:23	1
Phenol-d5 (Surrogate)	68		27 - 130	03/19/20 07:20	03/20/20 12:23	1

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	4.28	U	11.3	4.28	mg/Kg	✉	03/14/20 14:05	03/16/20 20:15	1
>C12-C28	4.57	U	11.3	4.57	mg/Kg	✉	03/14/20 14:05	03/16/20 20:15	1
>C28-C35	4.57	U	11.3	4.57	mg/Kg	✉	03/14/20 14:05	03/16/20 20:15	1
C6-C35	4.28	U	11.3	4.28	mg/Kg	✉	03/14/20 14:05	03/16/20 20:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	96		70 - 130				03/14/20 14:05	03/16/20 20:15	1

## Method: 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.18	J b	9.55	1.28	mg/Kg	✉		03/25/20 17:49	2

## Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.87		0.573	0.120	mg/Kg	✉	03/18/20 16:33	03/20/20 12:35	1
Chromium	3.08		0.573	0.0580	mg/Kg	✉	03/18/20 16:33	03/20/20 12:35	1
Cadmium	0.0293	U	0.286	0.0293	mg/Kg	✉	03/18/20 16:33	03/20/20 12:35	1
Barium	26.8		1.15	0.0344	mg/Kg	✉	03/18/20 16:33	03/20/20 12:35	1
Arsenic	2.95		1.15	0.250	mg/Kg	✉	03/18/20 16:33	03/20/20 12:35	1
Silver	0.136	U	0.458	0.136	mg/Kg	✉	03/18/20 16:33	03/20/20 12:35	1
Selenium	0.297	U	2.29	0.297	mg/Kg	✉	03/18/20 16:33	03/20/20 12:35	1

## Method: 7471A - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	3.96	U	18.8	3.96	ug/Kg	✉	03/20/20 11:20	03/23/20 11:01	1

## General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15.2		1.0	1.0	%			03/17/20 09:08	1
Percent Solids	84.8		1.0	1.0	%			03/17/20 09:08	1

**Client Sample ID: B3 @0-2.5**

Date Collected: 03/12/20 16:49

Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-5**

Matrix: Solid

Percent Solids: 91.7

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	28.2 *		8.18	1.36	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Benzene	0.515	U	4.09	0.515	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Bromoform	1.12	U	4.09	1.12	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Bromomethane	0.679	U	8.18	0.679	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
2-Butanone (MEK)	1.55	U *	8.18	1.55	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Carbon disulfide	0.450	U	8.18	0.450	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Carbon tetrachloride	0.924	U	4.09	0.924	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Dibromochloromethane	0.769	U	4.09	0.769	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Chlorobenzene	0.785	U	4.09	0.785	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B3 @0-2.5**  
**Date Collected: 03/12/20 16:49**  
**Date Received: 03/14/20 10:52**

**Lab Sample ID: 600-202277-5**  
**Matrix: Solid**  
**Percent Solids: 91.7**

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	1.15	U	8.18	1.15	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Chloroform	0.540	U	8.18	0.540	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Chloromethane	1.36	U	8.18	1.36	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
1,1-Dichloroethane	0.712	U	4.09	0.712	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
1,2-Dichloroethane	0.736	U	4.09	0.736	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
1,1-Dichloroethene	0.998	U	4.09	0.998	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
cis-1,2-Dichloroethene	0.679	U	4.09	0.679	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
trans-1,2-Dichloroethene	0.932	U	4.09	0.932	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
1,2-Dichloropropane	0.581	U	4.09	0.581	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
cis-1,3-Dichloropropene	0.442	U	4.09	0.442	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
trans-1,3-Dichloropropene	0.474	U	4.09	0.474	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Ethylbenzene	0.834	U	4.09	0.834	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
2-Hexanone	0.826	U *	8.18	0.826	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
<b>Methylene Chloride</b>	<b>9.11</b>	<b>b</b>	8.18	1.79	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Styrene	0.581	U	4.09	0.581	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
1,1,2,2-Tetrachloroethane	0.712	U	4.09	0.712	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Tetrachloroethene	0.581	U	4.09	0.581	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
<b>Toluene</b>	<b>1.75</b>	<b>J</b>	4.09	1.13	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
1,1,1-Trichloroethane	0.605	U	4.09	0.605	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
1,1,2-Trichloroethane	0.597	U	4.09	0.597	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Trichloroethene	1.15	U *	4.09	1.15	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Vinyl acetate	0.761	U	8.18	0.761	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Vinyl chloride	0.736	U	8.18	0.736	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
o-Xylene	0.924	U	4.09	0.924	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
m-Xylene & p-Xylene	1.24	U	4.09	1.24	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Xylenes, Total	0.924	U	4.09	0.924	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Bromodichloromethane	0.540	U	4.09	0.540	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.18	U	4.09	1.18	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
1,2-Dibromo-3-Chloropropane	2.00	U	4.09	2.00	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Dichlorodifluoromethane	1.26	U	4.09	1.26	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
1,2-Dibromoethane	0.834	U	4.09	0.834	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Isopropylbenzene	0.753	U *	4.09	0.753	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Methyl tert-butyl ether	1.50	U	4.09	1.50	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1
Cyclohexane	1.57	U	4.09	1.57	ug/Kg	✉	03/14/20 16:05	03/19/20 13:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	81		50 - 130	03/14/20 16:05	03/19/20 13:00	1
Dibromofluoromethane	81		68 - 140	03/14/20 16:05	03/19/20 13:00	1
4-Bromofluorobenzene	86		57 - 140	03/14/20 16:05	03/19/20 13:00	1
1,2-Dichloroethane-d4 (Surr)	91		61 - 130	03/14/20 16:05	03/19/20 13:00	1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac	
<b>Acenaphthene</b>	<b>6.23</b>	<b>J</b>		36.1	1.56	ug/Kg	✉	03/19/20 07:20	03/20/20 12:48	1
Acenaphthylene	1.08	U		36.1	1.08	ug/Kg	✉	03/19/20 07:20	03/20/20 12:48	1
Anthracene	1.39	U		36.1	1.39	ug/Kg	✉	03/19/20 07:20	03/20/20 12:48	1
Benzo[a]anthracene	1.50	U		36.1	1.50	ug/Kg	✉	03/19/20 07:20	03/20/20 12:48	1
Benzo[b]fluoranthene	1.87	U		36.1	1.87	ug/Kg	✉	03/19/20 07:20	03/20/20 12:48	1
Benzo[k]fluoranthene	1.62	U		36.1	1.62	ug/Kg	✉	03/19/20 07:20	03/20/20 12:48	1
Benzo[g,h,i]perylene	5.50	U		36.1	5.50	ug/Kg	✉	03/19/20 07:20	03/20/20 12:48	1

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B3 @0-2.5**  
**Date Collected: 03/12/20 16:49**  
**Date Received: 03/14/20 10:52**

**Lab Sample ID: 600-202277-5**  
**Matrix: Solid**  
**Percent Solids: 91.7**

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	1.75	U	36.1	1.75	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Bis(2-chloroethoxy)methane	1.54	U	36.1	1.54	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Bis(2-chloroethyl)ether	1.79	U	36.1	1.79	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>76.0</b>		36.1	5.83	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
4-Bromophenyl phenyl ether	3.08	U	36.1	3.08	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Butyl benzyl phthalate	6.72	U	72.4	6.72	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
4-Chloroaniline	6.31	U	36.1	6.31	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
2-Chloronaphthalene	1.31	U	36.1	1.31	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
4-Chlorophenyl phenyl ether	1.95	U	36.1	1.95	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Carbazole	3.38	U	36.1	3.38	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Chrysene	1.11	U	36.1	1.11	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Di-n-butyl phthalate	2.81	U	72.4	2.81	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Dibenz(a,h)anthracene	3.94	U	36.1	3.94	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Dibenzofuran	1.93	U	36.1	1.93	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
3,3'-Dichlorobenzidine	11.0	U	36.1	11.0	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Diethyl phthalate	9.15	U	72.4	9.15	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Dimethyl phthalate	5.30	U	72.4	5.30	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
2,4-Dinitrotoluene	3.92	U	36.1	3.92	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Di-n-octyl phthalate	2.06	U	72.4	2.06	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
<b>Fluoranthene</b>	<b>11.1 J</b>		36.1	3.37	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Fluorene	2.56	U	36.1	2.56	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Hexachlorobenzene	1.65	U	36.1	1.65	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Hexachlorocyclopentadiene	5.00	U	36.1	5.00	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Hexachloroethane	2.51	U	36.1	2.51	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Hexachlorobutadiene	2.08	U	36.1	2.08	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Indeno[1,2,3-cd]pyrene	3.80	U	36.1	3.80	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Isophorone	1.08	U	36.1	1.08	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
<b>2-Methylnaphthalene</b>	<b>20.5 J</b>		36.1	2.97	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Naphthalene	1.46	U	36.1	1.46	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
2-Nitroaniline	5.30	U	36.1	5.30	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
3-Nitroaniline	7.76	U	36.1	7.76	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
4-Nitroaniline	12.1	U	36.1	12.1	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Nitrobenzene	3.21	U	36.1	3.21	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
N-Nitrosodiphenylamine	2.05	U	36.1	2.05	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
N-Nitrosodi-n-propylamine	2.41	U	36.1	2.41	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
<b>Phenanthrene</b>	<b>70.3</b>		36.1	5.37	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
<b>Pyrene</b>	<b>24.7 J</b>		36.1	1.99	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
4-Chloro-3-methylphenol	16.9	U	36.1	16.9	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
2-Chlorophenol	2.14	U	36.1	2.14	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
2-Methylphenol	3.50	U	36.1	3.50	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
3 & 4 Methylphenol	3.03	U	36.1	3.03	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
2,4-Dichlorophenol	4.20	U	36.1	4.20	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
2,4-Dimethylphenol	9.31	U	36.1	9.31	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
4,6-Dinitro-2-methylphenol	5.40	U	184	5.40	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
2,4-Dinitrophenol	5.12	U	108	5.12	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
2-Nitrophenol	4.22	U	36.1	4.22	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
4-Nitrophenol	5.51	U	217	5.51	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Pentachlorophenol	4.34	U	181	4.34	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Phenol	4.60	U	36.1	4.60	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1

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# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B3 @0-2.5**  
Date Collected: 03/12/20 16:49  
Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-5**  
Matrix: Solid  
Percent Solids: 91.7

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	10.9	U	36.1	10.9	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
2,4,6-Trichlorophenol	2.91	U	36.1	2.91	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
2,6-Dinitrotoluene	3.20	U	36.1	3.20	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
bis (2-Chloroisopropyl) ether	9.59	U	36.1	9.59	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
<b>1,1'-Biphenyl</b>	<b>4.83</b>	<b>J</b>	36.1	4.34	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1
Acetophenone	3.58	U	36.1	3.58	ug/Kg	⊗	03/19/20 07:20	03/20/20 12:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	78		53 - 134	03/19/20 07:20	03/20/20 12:48	1
Nitrobenzene-d5	41		10 - 155	03/19/20 07:20	03/20/20 12:48	1
2-Fluorophenol	20	X	25 - 132	03/19/20 07:20	03/20/20 12:48	1
2-Fluorobiphenyl	61		38 - 130	03/19/20 07:20	03/20/20 12:48	1
2,4,6-Tribromophenol	61		10 - 148	03/19/20 07:20	03/20/20 12:48	1
Phenol-d5 (Surr)	35		27 - 130	03/19/20 07:20	03/20/20 12:48	1

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.43	U	9.03	3.43	mg/Kg	⊗	03/14/20 14:05	03/16/20 20:49	1
>C12-C28	<b>683</b>		9.03	3.66	mg/Kg	⊗	03/14/20 14:05	03/16/20 20:49	1
>C28-C35	<b>361</b>		9.03	3.66	mg/Kg	⊗	03/14/20 14:05	03/16/20 20:49	1
<b>C6-C35</b>	<b>1040</b>		9.03	3.43	mg/Kg	⊗	03/14/20 14:05	03/16/20 20:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	95		70 - 130	03/14/20 14:05	03/16/20 20:49	1

## Method: 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<b>13.4</b>	<b>b</b>	8.80	1.17	mg/Kg	⊗		03/25/20 18:50	2

## Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<b>3.53</b>		0.510	0.107	mg/Kg	⊗	03/18/20 16:33	03/20/20 12:37	1
Chromium	<b>4.14</b>		0.510	0.0516	mg/Kg	⊗	03/18/20 16:33	03/20/20 12:37	1
Cadmium	<b>0.0357</b>	<b>J</b>	0.255	0.0261	mg/Kg	⊗	03/18/20 16:33	03/20/20 12:37	1
Barium	<b>31.9</b>		1.02	0.0306	mg/Kg	⊗	03/18/20 16:33	03/20/20 12:37	1
Arsenic	<b>1.82</b>		1.02	0.222	mg/Kg	⊗	03/18/20 16:33	03/20/20 12:37	1
Silver	0.121	U		0.121	mg/Kg	⊗	03/18/20 16:33	03/20/20 12:37	1
Selenium	0.264	U		0.264	mg/Kg	⊗	03/18/20 16:33	03/20/20 12:37	1

## Method: 7471A - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<b>5.87</b>	<b>J</b>	18.5	3.90	ug/Kg	⊗	03/20/20 11:20	03/23/20 11:03	1

## General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	<b>8.3</b>		1.0	1.0	%			03/17/20 09:08	1
Percent Solids	<b>91.7</b>		1.0	1.0	%			03/17/20 09:08	1

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B3 @12.5-16**

Date Collected: 03/12/20 17:13

Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-6**

Matrix: Solid

Percent Solids: 84.7

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.89	U *	11.4	1.89	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Benzene	0.717	U	5.69	0.717	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Bromoform	1.56	U	5.69	1.56	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Bromomethane	0.944	U	11.4	0.944	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
2-Butanone (MEK)	2.16	U *	11.4	2.16	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Carbon disulfide	0.626	U	11.4	0.626	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Carbon tetrachloride	1.29	U	5.69	1.29	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Dibromochloromethane	1.07	U	5.69	1.07	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Chlorobenzene	1.09	U	5.69	1.09	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Chloroethane	1.59	U	11.4	1.59	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Chloroform	0.751	U	11.4	0.751	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Chloromethane	1.89	U	11.4	1.89	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
1,1-Dichloroethane	0.990	U	5.69	0.990	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
1,2-Dichloroethane	1.02	U	5.69	1.02	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
1,1-Dichloroethene	1.39	U	5.69	1.39	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
cis-1,2-Dichloroethene	0.944	U	5.69	0.944	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
trans-1,2-Dichloroethene	1.30	U	5.69	1.30	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
1,2-Dichloropropane	0.808	U	5.69	0.808	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
cis-1,3-Dichloropropene	0.614	U	5.69	0.614	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
trans-1,3-Dichloropropene	0.660	U	5.69	0.660	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Ethylbenzene	1.16	U	5.69	1.16	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
2-Hexanone	1.15	U *	11.4	1.15	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
<b>Methylene Chloride</b>	<b>6.45</b>	<b>J b</b>	11.4	2.49	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Styrene	0.808	U	5.69	0.808	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
1,1,2,2-Tetrachloroethane	0.990	U	5.69	0.990	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Tetrachloroethene	0.808	U	5.69	0.808	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Toluene	1.57	U	5.69	1.57	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
1,1,1-Trichloroethane	0.842	U	5.69	0.842	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
1,1,2-Trichloroethane	0.831	U	5.69	0.831	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Trichloroethene	1.59	U *	5.69	1.59	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Vinyl acetate	1.06	U	11.4	1.06	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Vinyl chloride	1.02	U	11.4	1.02	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
o-Xylene	1.29	U	5.69	1.29	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
m-Xylene & p-Xylene	1.73	U	5.69	1.73	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Xylenes, Total	1.29	U	5.69	1.29	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Bromodichloromethane	0.751	U	5.69	0.751	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.64	U	5.69	1.64	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
1,2-Dibromo-3-Chloropropane	2.78	U	5.69	2.78	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Dichlorodifluoromethane	1.75	U	5.69	1.75	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
1,2-Dibromoethane	1.16	U	5.69	1.16	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Isopropylbenzene	1.05	U *	5.69	1.05	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Methyl tert-butyl ether	2.08	U	5.69	2.08	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1
Cyclohexane	2.18	U	5.69	2.18	ug/Kg	✉	03/14/20 16:05	03/19/20 13:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	72		50 - 130	03/14/20 16:05	03/19/20 13:46	1
Dibromofluoromethane	84		68 - 140	03/14/20 16:05	03/19/20 13:46	1
4-Bromofluorobenzene	96		57 - 140	03/14/20 16:05	03/19/20 13:46	1
1,2-Dichloroethane-d4 (Surr)	98		61 - 130	03/14/20 16:05	03/19/20 13:46	1

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B3 @12.5-16**

Date Collected: 03/12/20 17:13

Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-6**

Matrix: Solid

Percent Solids: 84.7

**Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels**

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.69	U	39.1	1.69	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Acenaphthylene	1.17	U	39.1	1.17	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Anthracene	1.50	U	39.1	1.50	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Benzo[a]anthracene	1.62	U	39.1	1.62	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Benzo[b]fluoranthene	2.02	U	39.1	2.02	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Benzo[k]fluoranthene	1.75	U	39.1	1.75	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Benzo[g,h,i]perylene	5.96	U	39.1	5.96	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Benzo[a]pyrene	1.89	U	39.1	1.89	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Bis(2-chloroethoxy)methane	1.67	U	39.1	1.67	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Bis(2-chloroethyl)ether	1.94	U	39.1	1.94	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>21.9</b>	<b>J</b>	39.1	6.31	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
4-Bromophenyl phenyl ether	3.34	U	39.1	3.34	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Butyl benzyl phthalate	7.27	U	78.4	7.27	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
4-Chloroaniline	6.84	U	39.1	6.84	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
2-Chloronaphthalene	1.42	U	39.1	1.42	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
4-Chlorophenyl phenyl ether	2.11	U	39.1	2.11	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Carbazole	3.67	U	39.1	3.67	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Chrysene	1.20	U	39.1	1.20	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
<b>Di-n-butyl phthalate</b>	<b>5.14</b>	<b>J</b>	78.4	3.04	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Dibenz(a,h)anthracene	4.26	U	39.1	4.26	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Dibenzofuran	2.09	U	39.1	2.09	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
3,3'-Dichlorobenzidine	11.9	U	39.1	11.9	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Diethyl phthalate	9.90	U	78.4	9.90	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Dimethyl phthalate	5.75	U	78.4	5.75	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
2,4-Dinitrotoluene	4.24	U	39.1	4.24	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Di-n-octyl phthalate	2.23	U	78.4	2.23	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Fluoranthene	3.65	U	39.1	3.65	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Fluorene	2.77	U	39.1	2.77	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Hexachlorobenzene	1.79	U	39.1	1.79	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Hexachlorocyclopentadiene	5.42	U	39.1	5.42	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Hexachloroethane	2.71	U	39.1	2.71	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Hexachlorobutadiene	2.26	U	39.1	2.26	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Indeno[1,2,3-cd]pyrene	4.11	U	39.1	4.11	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Isophorone	1.17	U	39.1	1.17	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
2-Methylnaphthalene	3.22	U	39.1	3.22	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Naphthalene	1.59	U	39.1	1.59	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
2-Nitroaniline	5.75	U	39.1	5.75	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
3-Nitroaniline	8.40	U	39.1	8.40	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
4-Nitroaniline	13.1	U	39.1	13.1	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Nitrobenzene	3.48	U	39.1	3.48	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
N-Nitrosodiphenylamine	2.22	U	39.1	2.22	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
N-Nitrosodi-n-propylamine	2.61	U	39.1	2.61	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Phenanthrene	5.82	U	39.1	5.82	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Pyrene	2.15	U	39.1	2.15	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
4-Chloro-3-methylphenol	18.3	U	39.1	18.3	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
2-Chlorophenol	2.31	U	39.1	2.31	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
2-Methylphenol	3.80	U	39.1	3.80	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
3 & 4 Methylphenol	3.28	U	39.1	3.28	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
2,4-Dichlorophenol	4.55	U	39.1	4.55	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B3 @12.5-16**

**Lab Sample ID: 600-202277-6**

Date Collected: 03/12/20 17:13

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 84.7

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	10.1	U	39.1	10.1	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
4,6-Dinitro-2-methylphenol	5.85	U	200	5.85	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
2,4-Dinitrophenol	5.55	U	117	5.55	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
2-Nitrophenol	4.57	U	39.1	4.57	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
4-Nitrophenol	5.97	U	235	5.97	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Pentachlorophenol	4.70	U	196	4.70	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Phenol	4.98	U	39.1	4.98	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
2,4,5-Trichlorophenol	11.8	U	39.1	11.8	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
2,4,6-Trichlorophenol	3.15	U	39.1	3.15	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
2,6-Dinitrotoluene	3.47	U	39.1	3.47	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
bis (2-Chloroisopropyl) ether	10.4	U	39.1	10.4	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
1,1'-Biphenyl	4.70	U	39.1	4.70	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1
Acetophenone	3.88	U	39.1	3.88	ug/Kg	✉	03/19/20 07:20	03/20/20 13:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	63		53 - 134	03/19/20 07:20	03/20/20 13:14	1
Nitrobenzene-d5	55		10 - 155	03/19/20 07:20	03/20/20 13:14	1
2-Fluorophenol	49		25 - 132	03/19/20 07:20	03/20/20 13:14	1
2-Fluorobiphenyl	58		38 - 130	03/19/20 07:20	03/20/20 13:14	1
2,4,6-Tribromophenol	45		10 - 148	03/19/20 07:20	03/20/20 13:14	1
Phenol-d5 (Surr)	44		27 - 130	03/19/20 07:20	03/20/20 13:14	1

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	4.03	U	10.6	4.03	mg/Kg	✉	03/14/20 14:05	03/16/20 21:23	1
>C12-C28	4.31	U	10.6	4.31	mg/Kg	✉	03/14/20 14:05	03/16/20 21:23	1
>C28-C35	4.31	U	10.6	4.31	mg/Kg	✉	03/14/20 14:05	03/16/20 21:23	1
C6-C35	4.03	U	10.6	4.03	mg/Kg	✉	03/14/20 14:05	03/16/20 21:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	89		70 - 130	03/14/20 14:05	03/16/20 21:23	1

## Method: 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.1	b	9.53	1.27	mg/Kg	✉		03/25/20 19:11	2

## Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15.0		0.562	0.118	mg/Kg	✉	03/18/20 16:33	03/20/20 12:39	1
Chromium	7.72		0.562	0.0569	mg/Kg	✉	03/18/20 16:33	03/20/20 12:39	1
Cadmium	0.0288	U	0.281	0.0288	mg/Kg	✉	03/18/20 16:33	03/20/20 12:39	1
Barium	27.0		1.12	0.0337	mg/Kg	✉	03/18/20 16:33	03/20/20 12:39	1
Arsenic	9.43		1.12	0.245	mg/Kg	✉	03/18/20 16:33	03/20/20 12:39	1
Silver	0.134	U	0.450	0.134	mg/Kg	✉	03/18/20 16:33	03/20/20 12:39	1
Selenium	0.291	U	2.25	0.291	mg/Kg	✉	03/18/20 16:33	03/20/20 12:39	1

## Method: 7471A - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	8.66	J	18.5	3.90	ug/Kg	✉	03/20/20 11:20	03/23/20 11:05	1

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B3 @12.5-16**

Date Collected: 03/12/20 17:13

Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-6**

Matrix: Solid

Percent Solids: 84.7

## General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15.3		1.0	1.0	%			03/17/20 09:08	1
Percent Solids	84.7		1.0	1.0	%			03/17/20 09:08	1

**Client Sample ID: B4/MW2 @0-2.5**

Date Collected: 03/12/20 18:18

Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-7**

Matrix: Solid

Percent Solids: 87.2

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	401	E *	7.33	1.22	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Benzene	0.462	U	3.67	0.462	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Bromoform	1.00	U	3.67	1.00	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Bromomethane	0.609	U	7.33	0.609	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
<b>2-Butanone (MEK)</b>	<b>55.6</b>	*	7.33	1.39	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Carbon disulfide	0.403	U	7.33	0.403	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Carbon tetrachloride	0.829	U	3.67	0.829	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Dibromochloromethane	0.689	U	3.67	0.689	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Chlorobenzene	0.704	U	3.67	0.704	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Chloroethane	1.03	U	7.33	1.03	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Chloroform	0.484	U	7.33	0.484	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Chloromethane	1.22	U	7.33	1.22	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
1,1-Dichloroethane	0.638	U	3.67	0.638	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
1,2-Dichloroethane	0.660	U	3.67	0.660	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
1,1-Dichloroethene	0.895	U	3.67	0.895	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
cis-1,2-Dichloroethene	0.609	U	3.67	0.609	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
trans-1,2-Dichloroethene	0.836	U	3.67	0.836	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
1,2-Dichloropropane	0.521	U	3.67	0.521	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
cis-1,3-Dichloropropene	0.396	U	3.67	0.396	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
trans-1,3-Dichloropropene	0.425	U	3.67	0.425	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Ethylbenzene	0.748	U	3.67	0.748	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
2-Hexanone	0.741	U *	7.33	0.741	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Methylene Chloride	1.61	U	7.33	1.61	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Styrene	0.521	U	3.67	0.521	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
1,1,2,2-Tetrachloroethane	0.638	U	3.67	0.638	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Tetrachloroethene	0.521	U	3.67	0.521	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Toluene	1.01	U	3.67	1.01	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
1,1,1-Trichloroethane	0.543	U	3.67	0.543	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
1,1,2-Trichloroethane	0.535	U	3.67	0.535	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Trichloroethene	1.03	U *	3.67	1.03	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Vinyl acetate	0.682	U	7.33	0.682	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Vinyl chloride	0.660	U	7.33	0.660	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
o-Xylene	0.829	U	3.67	0.829	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
m-Xylene & p-Xylene	1.11	U	3.67	1.11	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Xylenes, Total	0.829	U	3.67	0.829	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Bromodichloromethane	0.484	U	3.67	0.484	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.06	U	3.67	1.06	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
1,2-Dibromo-3-Chloropropane	1.79	U	3.67	1.79	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Dichlorodifluoromethane	1.13	U	3.67	1.13	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
1,2-Dibromoethane	0.748	U	3.67	0.748	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1
Isopropylbenzene	0.675	U *	3.67	0.675	ug/Kg	✉	03/14/20 16:05	03/19/20 14:08	1

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B4/MW2 @0-2.5**

**Lab Sample ID: 600-202277-7**

Date Collected: 03/12/20 18:18

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 87.2

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	1.34	U	3.67	1.34	ug/Kg	⌚	03/14/20 16:05	03/19/20 14:08	1
Cyclohexane	1.41	U	3.67	1.41	ug/Kg	⌚	03/14/20 16:05	03/19/20 14:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	78		50 - 130				03/14/20 16:05	03/19/20 14:08	1
Dibromofluoromethane	105		68 - 140				03/14/20 16:05	03/19/20 14:08	1
4-Bromofluorobenzene	105		57 - 140				03/14/20 16:05	03/19/20 14:08	1
1,2-Dichloroethane-d4 (Surr)	111		61 - 130				03/14/20 16:05	03/19/20 14:08	1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	16.5	U	381	16.5	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Acenaphthylene	11.4	U	381	11.4	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Anthracene	14.7	U	381	14.7	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Benzo[a]anthracene	15.8	U	381	15.8	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Benzo[b]fluoranthene	19.7	U	381	19.7	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Benzo[k]fluoranthene	17.1	U	381	17.1	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Benzo[g,h,i]perylene	58.1	U	381	58.1	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Benzo[a]pyrene	18.4	U	381	18.4	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Bis(2-chloroethoxy)methane	16.3	U	381	16.3	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Bis(2-chloroethyl)ether	18.9	U	381	18.9	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
<b>Bis(2-ethylhexyl) phthalate</b>	<b>250</b>	<b>J</b>	381	61.5	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
4-Bromophenyl phenyl ether	32.5	U	381	32.5	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Butyl benzyl phthalate	70.9	U	764	70.9	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
4-Chloroaniline	66.6	U	381	66.6	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
2-Chloronaphthalene	13.9	U	381	13.9	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
4-Chlorophenyl phenyl ether	20.6	U	381	20.6	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Carbazole	35.7	U	381	35.7	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Chrysene	11.7	U	381	11.7	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Di-n-butyl phthalate	29.7	U	764	29.7	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Dibenz(a,h)anthracene	41.6	U	381	41.6	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Dibenzofuran	20.4	U	381	20.4	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
3,3'-Dichlorobenzidine	116	U	381	116	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Diethyl phthalate	96.5	U	764	96.5	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Dimethyl phthalate	56.0	U	764	56.0	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
2,4-Dinitrotoluene	41.3	U	381	41.3	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Di-n-octyl phthalate	21.8	U	764	21.8	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Fluoranthene	35.6	U	381	35.6	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Fluorene	27.0	U	381	27.0	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Hexachlorobenzene	17.4	U	381	17.4	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Hexachlorocyclopentadiene	52.8	U	381	52.8	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Hexachloroethane	26.4	U	381	26.4	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Hexachlorobutadiene	22.0	U	381	22.0	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Indeno[1,2,3-cd]pyrene	40.1	U	381	40.1	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Isothorone	11.4	U	381	11.4	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
2-Methylnaphthalene	31.4	U	381	31.4	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
Naphthalene	15.5	U	381	15.5	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
2-Nitroaniline	56.0	U	381	56.0	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
3-Nitroaniline	81.9	U	381	81.9	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10
4-Nitroaniline	128	U	381	128	ug/Kg	⌚	03/19/20 07:20	03/20/20 13:39	10

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B4/MW2 @0-2.5**

**Lab Sample ID: 600-202277-7**

Date Collected: 03/12/20 18:18

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 87.2

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	33.9	U	381	33.9	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
N-Nitrosodiphenylamine	21.6	U	381	21.6	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
N-Nitrosodi-n-propylamine	25.4	U	381	25.4	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
Phenanthrene	56.7	U	381	56.7	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
<b>Pyrene</b>	<b>36.3</b>	<b>J</b>	381	21.0	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
4-Chloro-3-methylphenol	178	U	381	178	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
2-Chlorophenol	22.6	U	381	22.6	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
2-Methylphenol	37.0	U	381	37.0	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
3 & 4 Methylphenol	31.9	U	381	31.9	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
2,4-Dichlorophenol	44.3	U	381	44.3	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
2,4-Dimethylphenol	98.2	U	381	98.2	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
4,6-Dinitro-2-methylphenol	57.0	U	1950	57.0	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
2,4-Dinitrophenol	54.0	U	1140	54.0	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
2-Nitrophenol	44.5	U	381	44.5	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
4-Nitrophenol	58.2	U	2290	58.2	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
Pentachlorophenol	45.8	U	1910	45.8	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
Phenol	48.5	U	381	48.5	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
2,4,5-Trichlorophenol	115	U	381	115	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
2,4,6-Trichlorophenol	30.7	U	381	30.7	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
2,6-Dinitrotoluene	33.8	U	381	33.8	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
bis (2-Chloroisopropyl) ether	101	U	381	101	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
1,1'-Biphenyl	45.8	U	381	45.8	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10
Acetophenone	37.8	U	381	37.8	ug/Kg	✉	03/19/20 07:20	03/20/20 13:39	10

## Surrogate

	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	85		53 - 134	03/19/20 07:20	03/20/20 13:39	10
Nitrobenzene-d5	21		10 - 155	03/19/20 07:20	03/20/20 13:39	10
2-Fluorophenol	56		25 - 132	03/19/20 07:20	03/20/20 13:39	10
2-Fluorobiphenyl	55		38 - 130	03/19/20 07:20	03/20/20 13:39	10
2,4,6-Tribromophenol	62		10 - 148	03/19/20 07:20	03/20/20 13:39	10
Phenol-d5 (Surr)	28		27 - 130	03/19/20 07:20	03/20/20 13:39	10

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.33	U	8.77	3.33	mg/Kg	✉	03/14/20 14:05	03/16/20 21:57	1
>C12-C28	3.56	U	8.77	3.56	mg/Kg	✉	03/14/20 14:05	03/16/20 21:57	1
>C28-C35	3.56	U	8.77	3.56	mg/Kg	✉	03/14/20 14:05	03/16/20 21:57	1
C6-C35	3.33	U	8.77	3.33	mg/Kg	✉	03/14/20 14:05	03/16/20 21:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	90		70 - 130	03/14/20 14:05	03/16/20 21:57	1

## Method: 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.8	J b	22.6	3.01	mg/Kg	✉	03/25/20 19:31		5

## Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	124		5.41	1.14	mg/Kg	✉	03/18/20 16:33	03/20/20 12:49	10
Chromium	5.01		0.541	0.0548	mg/Kg	✉	03/18/20 16:33	03/20/20 12:47	1
Cadmium	5.20		2.71	0.277	mg/Kg	✉	03/18/20 16:33	03/20/20 12:49	10

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B4/MW2 @0-2.5**

**Lab Sample ID: 600-202277-7**

Date Collected: 03/12/20 18:18

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 87.2

**Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry (Continued)**

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	76.7		1.08	0.0325	mg/Kg	⌚	03/18/20 16:33	03/20/20 12:47	1
Arsenic	2.87	J	10.8	2.36	mg/Kg	⌚	03/18/20 16:33	03/20/20 12:49	10
Silver	0.129	U	0.433	0.129	mg/Kg	⌚	03/18/20 16:33	03/20/20 12:47	1
Selenium	0.280	U	2.16	0.280	mg/Kg	⌚	03/18/20 16:33	03/20/20 12:47	1

**Method: 7471A - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)**

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	4.23	J	19.5	4.11	ug/Kg	⌚	03/20/20 11:20	03/23/20 11:07	1

**General Chemistry**

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12.8		1.0	1.0	%			03/17/20 09:08	1
Percent Solids	87.2		1.0	1.0	%			03/17/20 09:08	1

**Client Sample ID: B4/MW2 @30-35**

**Lab Sample ID: 600-202277-8**

Date Collected: 03/12/20 18:40

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 76.0

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.48	U *	8.93	1.48	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
Benzene	0.563	U	4.47	0.563	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
Bromoform	1.22	U	4.47	1.22	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
Bromomethane	0.741	U	8.93	0.741	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
2-Butanone (MEK)	1.70	U *	8.93	1.70	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
Carbon disulfide	0.491	U	8.93	0.491	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
Carbon tetrachloride	1.01	U	4.47	1.01	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
Dibromochloromethane	0.839	U	4.47	0.839	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
Chlorobenzene	0.857	U	4.47	0.857	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
Chloroethane	1.25	U	8.93	1.25	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
Chloroform	0.589	U	8.93	0.589	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
Chloromethane	1.48	U	8.93	1.48	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
1,1-Dichloroethane	0.777	U	4.47	0.777	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
1,2-Dichloroethane	0.804	U	4.47	0.804	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
1,1-Dichloroethene	1.09	U	4.47	1.09	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
cis-1,2-Dichloroethene	0.741	U	4.47	0.741	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
trans-1,2-Dichloroethene	1.02	U	4.47	1.02	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
1,2-Dichloropropane	0.634	U	4.47	0.634	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
cis-1,3-Dichloropropene	0.482	U	4.47	0.482	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
trans-1,3-Dichloropropene	0.518	U	4.47	0.518	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
Ethylbenzene	0.911	U	4.47	0.911	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
2-Hexanone	0.902	U *	8.93	0.902	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
<b>Methylene Chloride</b>	<b>4.91</b>	<b>J b</b>	8.93	1.96	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
Styrene	0.634	U	4.47	0.634	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
1,1,2,2-Tetrachloroethane	0.777	U	4.47	0.777	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
Tetrachloroethene	0.634	U	4.47	0.634	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
Toluene	1.23	U	4.47	1.23	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
1,1,1-Trichloroethane	0.661	U	4.47	0.661	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
1,1,2-Trichloroethane	0.652	U	4.47	0.652	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:25	1
<b>Trichloroethene</b>	<b>14.8</b>		5.13	1.44	ug/Kg	⌚	03/14/20 16:05	03/20/20 14:43	1

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B4/MW2 @30-35**

**Lab Sample ID: 600-202277-8**

Date Collected: 03/12/20 18:40

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 76.0

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	0.831	U	8.93	0.831	ug/Kg	✉	03/14/20 16:05	03/19/20 16:25	1
Vinyl chloride	0.804	U	8.93	0.804	ug/Kg	✉	03/14/20 16:05	03/19/20 16:25	1
o-Xylene	1.01	U	4.47	1.01	ug/Kg	✉	03/14/20 16:05	03/19/20 16:25	1
m-Xylene & p-Xylene	1.36	U	4.47	1.36	ug/Kg	✉	03/14/20 16:05	03/19/20 16:25	1
Xylenes, Total	1.01	U	4.47	1.01	ug/Kg	✉	03/14/20 16:05	03/19/20 16:25	1
Bromodichloromethane	0.589	U	4.47	0.589	ug/Kg	✉	03/14/20 16:05	03/19/20 16:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.29	U	4.47	1.29	ug/Kg	✉	03/14/20 16:05	03/19/20 16:25	1
1,2-Dibromo-3-Chloropropane	2.18	U	4.47	2.18	ug/Kg	✉	03/14/20 16:05	03/19/20 16:25	1
Dichlorodifluoromethane	1.38	U	4.47	1.38	ug/Kg	✉	03/14/20 16:05	03/19/20 16:25	1
1,2-Dibromoethane	0.911	U	4.47	0.911	ug/Kg	✉	03/14/20 16:05	03/19/20 16:25	1
Isopropylbenzene	0.822	U *	4.47	0.822	ug/Kg	✉	03/14/20 16:05	03/19/20 16:25	1
Methyl tert-butyl ether	1.63	U	4.47	1.63	ug/Kg	✉	03/14/20 16:05	03/19/20 16:25	1
Cyclohexane	1.71	U	4.47	1.71	ug/Kg	✉	03/14/20 16:05	03/19/20 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	79		50 - 130	03/14/20 16:05	03/19/20 16:25	1
Toluene-d8 (Surr)	81		50 - 130	03/14/20 16:05	03/20/20 14:43	1
Dibromofluoromethane	82		68 - 140	03/14/20 16:05	03/19/20 16:25	1
Dibromofluoromethane	84		68 - 140	03/14/20 16:05	03/20/20 14:43	1
4-Bromofluorobenzene	98		57 - 140	03/14/20 16:05	03/19/20 16:25	1
4-Bromofluorobenzene	107		57 - 140	03/14/20 16:05	03/20/20 14:43	1
1,2-Dichloroethane-d4 (Surr)	92		61 - 130	03/14/20 16:05	03/19/20 16:25	1
1,2-Dichloroethane-d4 (Surr)	95		61 - 130	03/14/20 16:05	03/20/20 14:43	1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.89	U	43.7	1.89	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Acenaphthylene	1.31	U	43.7	1.31	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Anthracene	1.68	U	43.7	1.68	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Benzo[a]anthracene	1.81	U	43.7	1.81	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Benzo[b]fluoranthene	2.26	U	43.7	2.26	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Benzo[k]fluoranthene	1.96	U	43.7	1.96	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Benzo[g,h,i]perylene	6.66	U	43.7	6.66	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Benzo[a]pyrene	2.11	U	43.7	2.11	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Bis(2-chloroethoxy)methane	1.86	U	43.7	1.86	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Bis(2-chloroethyl)ether	2.17	U	43.7	2.17	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>13.4</b>	<b>J</b>	43.7	7.05	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
4-Bromophenyl phenyl ether	3.73	U	43.7	3.73	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Butyl benzyl phthalate	8.13	U	87.6	8.13	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
4-Chloroaniline	7.64	U	43.7	7.64	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
2-Chloronaphthalene	1.59	U	43.7	1.59	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
4-Chlorophenyl phenyl ether	2.36	U	43.7	2.36	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Carbazole	4.10	U	43.7	4.10	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Chrysene	1.34	U	43.7	1.34	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Di-n-butyl phthalate	3.40	U	87.6	3.40	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Dibenz(a,h)anthracene	4.77	U	43.7	4.77	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Dibenzofuran	2.34	U	43.7	2.34	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
3,3'-Dichlorobenzidine	13.3	U	43.7	13.3	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Diethyl phthalate	11.1	U	87.6	11.1	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Dimethyl phthalate	6.42	U	87.6	6.42	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B4/MW2 @30-35**

**Lab Sample ID: 600-202277-8**

Date Collected: 03/12/20 18:40

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 76.0

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	4.74	U	43.7	4.74	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Di-n-octyl phthalate	2.49	U	87.6	2.49	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Fluoranthene	4.08	U	43.7	4.08	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Fluorene	3.10	U	43.7	3.10	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Hexachlorobenzene	2.00	U	43.7	2.00	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Hexachlorocyclopentadiene	6.05	U	43.7	6.05	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Hexachloroethane	3.03	U	43.7	3.03	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Hexachlorobutadiene	2.52	U	43.7	2.52	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Indeno[1,2,3-cd]pyrene	4.60	U	43.7	4.60	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Isophorone	1.31	U	43.7	1.31	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
2-Methylnaphthalene	3.60	U	43.7	3.60	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Naphthalene	1.77	U	43.7	1.77	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
2-Nitroaniline	6.42	U	43.7	6.42	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
3-Nitroaniline	9.39	U	43.7	9.39	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
4-Nitroaniline	14.6	U	43.7	14.6	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Nitrobenzene	3.89	U	43.7	3.89	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
N-Nitrosodiphenylamine	2.48	U	43.7	2.48	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
N-Nitrosodi-n-propylamine	2.91	U	43.7	2.91	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Phenanthrene	6.50	U	43.7	6.50	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Pyrene	2.40	U	43.7	2.40	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
4-Chloro-3-methylphenol	20.5	U	43.7	20.5	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
2-Chlorophenol	2.59	U	43.7	2.59	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
2-Methylphenol	4.24	U	43.7	4.24	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
3 & 4 Methylphenol	3.66	U	43.7	3.66	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
2,4-Dichlorophenol	5.08	U	43.7	5.08	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
2,4-Dimethylphenol	11.3	U	43.7	11.3	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
4,6-Dinitro-2-methylphenol	6.54	U	223	6.54	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
2,4-Dinitrophenol	6.20	U	131	6.20	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
2-Nitrophenol	5.11	U	43.7	5.11	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
4-Nitrophenol	6.67	U	263	6.67	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Pentachlorophenol	5.25	U	219	5.25	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Phenol	5.57	U	43.7	5.57	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
2,4,5-Trichlorophenol	13.1	U	43.7	13.1	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
2,4,6-Trichlorophenol	3.52	U	43.7	3.52	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
2,6-Dinitrotoluene	3.87	U	43.7	3.87	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
bis (2-Chloroisopropyl) ether	11.6	U	43.7	11.6	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
1,1'-Biphenyl	5.25	U	43.7	5.25	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1
Acetophenone	4.33	U	43.7	4.33	ug/Kg	✉	03/19/20 07:20	03/20/20 14:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	76		53 - 134	03/19/20 07:20	03/20/20 14:05	1
Nitrobenzene-d5	66		10 - 155	03/19/20 07:20	03/20/20 14:05	1
2-Fluorophenol	50		25 - 132	03/19/20 07:20	03/20/20 14:05	1
2-Fluorobiphenyl	74		38 - 130	03/19/20 07:20	03/20/20 14:05	1
2,4,6-Tribromophenol	40		10 - 148	03/19/20 07:20	03/20/20 14:05	1
Phenol-d5 (Surr)	50		27 - 130	03/19/20 07:20	03/20/20 14:05	1

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.81	U	10.0	3.81	mg/Kg	✉	03/14/20 14:05	03/16/20 22:31	1

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B4/MW2 @30-35**

**Lab Sample ID: 600-202277-8**

Date Collected: 03/12/20 18:40

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 76.0

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
>C12-C28	4.07	U	10.0	4.07	mg/Kg	⌚	03/14/20 14:05	03/16/20 22:31	1
>C28-C35	4.07	U	10.0	4.07	mg/Kg	⌚	03/14/20 14:05	03/16/20 22:31	1
C6-C35	3.81	U	10.0	3.81	mg/Kg	⌚	03/14/20 14:05	03/16/20 22:31	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
<i>o-Terphenyl</i>	93		70 - 130				03/14/20 14:05	03/16/20 22:31	1

## Method: 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>499</b>	<b>b</b>	<b>10.5</b>	<b>1.41</b>	<b>mg/Kg</b>	⌚		03/25/20 19:52	2

## Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Lead</b>	<b>7.51</b>		0.621	0.130	mg/Kg	⌚	03/18/20 16:33	03/20/20 12:51	1
<b>Chromium</b>	<b>9.92</b>		0.621	0.0628	mg/Kg	⌚	03/18/20 16:33	03/20/20 12:51	1
Cadmium	0.0318	U		0.0318	mg/Kg	⌚	03/18/20 16:33	03/20/20 12:51	1
<b>Barium</b>	<b>124</b>		1.24	0.0373	mg/Kg	⌚	03/18/20 16:33	03/20/20 12:51	1
<b>Arsenic</b>	<b>3.66</b>		1.24	0.271	mg/Kg	⌚	03/18/20 16:33	03/20/20 12:51	1
Silver	0.148	U		0.148	mg/Kg	⌚	03/18/20 16:33	03/20/20 12:51	1
Selenium	0.322	U		0.322	mg/Kg	⌚	03/18/20 16:33	03/20/20 12:51	1

## Method: 7471A - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>12.7</b>	<b>J</b>	<b>22.4</b>	<b>4.71</b>	<b>ug/Kg</b>	⌚	03/20/20 11:20	03/23/20 11:09	1

## General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Percent Moisture</b>	<b>24.0</b>		1.0	1.0	%			03/17/20 09:08	1
<b>Percent Solids</b>	<b>76.0</b>		1.0	1.0	%			03/17/20 09:08	1

**Client Sample ID: B5 @0-2.5**

**Lab Sample ID: 600-202277-9**

Date Collected: 03/12/20 17:32

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 84.8

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.28	U *	7.72	1.28	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:47	1
Benzene	0.487	U	3.86	0.487	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:47	1
Bromoform	1.06	U	3.86	1.06	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:47	1
Bromomethane	0.641	U	7.72	0.641	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:47	1
2-Butanone (MEK)	1.47	U *	7.72	1.47	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:47	1
Carbon disulfide	0.425	U	7.72	0.425	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:47	1
Carbon tetrachloride	0.873	U	3.86	0.873	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:47	1
Dibromochloromethane	0.726	U	3.86	0.726	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:47	1
Chlorobenzene	0.741	U	3.86	0.741	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:47	1
Chloroethane	1.08	U	7.72	1.08	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:47	1
Chloroform	0.510	U	7.72	0.510	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:47	1
Chloromethane	1.28	U	7.72	1.28	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:47	1
1,1-Dichloroethane	0.672	U	3.86	0.672	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:47	1
1,2-Dichloroethane	0.695	U	3.86	0.695	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:47	1
1,1-Dichloroethene	0.942	U	3.86	0.942	ug/Kg	⌚	03/14/20 16:05	03/19/20 16:47	1

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# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B5 @0-2.5**

Date Collected: 03/12/20 17:32

Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-9**

Matrix: Solid

Percent Solids: 84.8

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.641	U	3.86	0.641	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
trans-1,2-Dichloroethene	0.880	U	3.86	0.880	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
1,2-Dichloropropane	0.548	U	3.86	0.548	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
cis-1,3-Dichloropropene	0.417	U	3.86	0.417	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
trans-1,3-Dichloropropene	0.448	U	3.86	0.448	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
Ethylbenzene	0.788	U	3.86	0.788	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
2-Hexanone	0.780	U *	7.72	0.780	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
Methylene Chloride	1.69	U	7.72	1.69	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
Styrene	0.548	U	3.86	0.548	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
1,1,2,2-Tetrachloroethane	0.672	U	3.86	0.672	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
Tetrachloroethene	0.548	U	3.86	0.548	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
Toluene	1.07	U	3.86	1.07	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
1,1,1-Trichloroethane	0.572	U	3.86	0.572	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
1,1,2-Trichloroethane	0.564	U	3.86	0.564	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
Trichloroethene	1.08	U *	3.86	1.08	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
Vinyl acetate	0.718	U	7.72	0.718	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
Vinyl chloride	0.695	U	7.72	0.695	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
o-Xylene	0.873	U	3.86	0.873	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
m-Xylene & p-Xylene	1.17	U	3.86	1.17	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
Xylenes, Total	0.873	U	3.86	0.873	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
Bromodichloromethane	0.510	U	3.86	0.510	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.11	U	3.86	1.11	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
1,2-Dibromo-3-Chloropropane	1.88	U	3.86	1.88	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
Dichlorodifluoromethane	1.19	U	3.86	1.19	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
1,2-Dibromoethane	0.788	U	3.86	0.788	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
Isopropylbenzene	0.711	U *	3.86	0.711	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
Methyl tert-butyl ether	1.41	U	3.86	1.41	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
Cyclohexane	1.48	U	3.86	1.48	ug/Kg	✉	03/14/20 16:05	03/19/20 16:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	80		50 - 130				03/14/20 16:05	03/19/20 16:47	1
Dibromofluoromethane	84		68 - 140				03/14/20 16:05	03/19/20 16:47	1
4-Bromofluorobenzene	105		57 - 140				03/14/20 16:05	03/19/20 16:47	1
1,2-Dichloroethane-d4 (Surr)	95		61 - 130				03/14/20 16:05	03/19/20 16:47	1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.69	U	39.2	1.69	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Acenaphthylene	1.18	U	39.2	1.18	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Anthracene	1.51	U	39.2	1.51	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
<b>Benzo[a]anthracene</b>	<b>26.9</b>	<b>J</b>	39.2	1.62	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
<b>Benzo[b]fluoranthene</b>	<b>46.5</b>		39.2	2.02	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
<b>Benzo[k]fluoranthene</b>	<b>16.3</b>	<b>J</b>	39.2	1.75	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
<b>Benzo[g,h,i]perylene</b>	<b>22.8</b>	<b>J</b>	39.2	5.96	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
<b>Benzo[a]pyrene</b>	<b>24.4</b>	<b>J</b>	39.2	1.89	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Bis(2-chloroethoxy)methane	1.67	U	39.2	1.67	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Bis(2-chloroethyl)ether	1.94	U	39.2	1.94	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>8.98</b>	<b>J</b>	39.2	6.31	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
4-Bromophenyl phenyl ether	3.34	U	39.2	3.34	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Butyl benzyl phthalate	7.28	U	78.4	7.28	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1

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# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B5 @0-2.5**  
**Date Collected: 03/12/20 17:32**  
**Date Received: 03/14/20 10:52**

**Lab Sample ID: 600-202277-9**  
**Matrix: Solid**  
**Percent Solids: 84.8**

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	6.84	U	39.2	6.84	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
2-Chloronaphthalene	1.42	U	39.2	1.42	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
4-Chlorophenyl phenyl ether	2.12	U	39.2	2.12	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Carbazole	3.67	U	39.2	3.67	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
<b>Chrysene</b>	<b>36.7</b>	<b>J</b>	39.2	1.20	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Di-n-butyl phthalate	3.05	U	78.4	3.05	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Dibenz(a,h)anthracene	4.27	U	39.2	4.27	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Dibenzofuran	2.09	U	39.2	2.09	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
3,3'-Dichlorobenzidine	11.9	U	39.2	11.9	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Diethyl phthalate	9.91	U	78.4	9.91	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Dimethyl phthalate	5.75	U	78.4	5.75	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
2,4-Dinitrotoluene	4.25	U	39.2	4.25	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Di-n-octyl phthalate	2.23	U	78.4	2.23	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
<b>Fluoranthene</b>	<b>79.0</b>		39.2	3.66	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Fluorene	2.78	U	39.2	2.78	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Hexachlorobenzene	1.79	U	39.2	1.79	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Hexachlorocyclopentadiene	5.42	U	39.2	5.42	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Hexachloroethane	2.72	U	39.2	2.72	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Hexachlorobutadiene	2.26	U	39.2	2.26	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>20.5</b>	<b>J</b>	39.2	4.12	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Isophorone	1.18	U	39.2	1.18	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
2-Methylnaphthalene	3.22	U	39.2	3.22	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Naphthalene	1.59	U	39.2	1.59	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
2-Nitroaniline	5.75	U	39.2	5.75	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
3-Nitroaniline	8.41	U	39.2	8.41	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
4-Nitroaniline	13.1	U	39.2	13.1	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Nitrobenzene	3.48	U	39.2	3.48	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
N-Nitrosodiphenylamine	2.22	U	39.2	2.22	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
N-Nitrosodi-n-propylamine	2.61	U	39.2	2.61	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
<b>Phenanthrene</b>	<b>32.9</b>	<b>J</b>	39.2	5.82	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
<b>Pyrene</b>	<b>67.5</b>		39.2	2.15	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
4-Chloro-3-methylphenol	18.3	U	39.2	18.3	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
2-Chlorophenol	2.32	U	39.2	2.32	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
2-Methylphenol	3.80	U	39.2	3.80	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
3 & 4 Methylphenol	3.28	U	39.2	3.28	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
2,4-Dichlorophenol	4.55	U	39.2	4.55	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
2,4-Dimethylphenol	10.1	U	39.2	10.1	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
4,6-Dinitro-2-methylphenol	5.86	U	200	5.86	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
2,4-Dinitrophenol	5.55	U	118	5.55	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
2-Nitrophenol	4.57	U	39.2	4.57	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
4-Nitrophenol	5.97	U	235	5.97	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Pentachlorophenol	4.70	U	196	4.70	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
Phenol	4.99	U	39.2	4.99	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
2,4,5-Trichlorophenol	11.8	U	39.2	11.8	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
2,4,6-Trichlorophenol	3.15	U	39.2	3.15	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
2,6-Dinitrotoluene	3.47	U	39.2	3.47	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
bis (2-Chloroisopropyl) ether	10.4	U	39.2	10.4	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
1,1'-Biphenyl	4.70	U	39.2	4.70	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1
<b>Acetophenone</b>	<b>6.70</b>	<b>J</b>	39.2	3.88	ug/Kg	✉	03/19/20 07:20	03/20/20 14:30	1

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B5 @0-2.5**  
Date Collected: 03/12/20 17:32  
Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-9**  
Matrix: Solid  
Percent Solids: 84.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	73		53 - 134	03/19/20 07:20	03/20/20 14:30	1
Nitrobenzene-d5	57		10 - 155	03/19/20 07:20	03/20/20 14:30	1
2-Fluorophenol	55		25 - 132	03/19/20 07:20	03/20/20 14:30	1
2-Fluorobiphenyl	62		38 - 130	03/19/20 07:20	03/20/20 14:30	1
2,4,6-Tribromophenol	67		10 - 148	03/19/20 07:20	03/20/20 14:30	1
Phenol-d5 (Surr)	42		27 - 130	03/19/20 07:20	03/20/20 14:30	1

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.82	U	10.0	3.82	mg/Kg	✉	03/14/20 14:05	03/16/20 23:38	1
>C12-C28	60.3		10.0	4.08	mg/Kg	✉	03/14/20 14:05	03/16/20 23:38	1
>C28-C35	112		10.0	4.08	mg/Kg	✉	03/14/20 14:05	03/16/20 23:38	1
C6-C35	172		10.0	3.82	mg/Kg	✉	03/14/20 14:05	03/16/20 23:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	89		70 - 130				03/14/20 14:05	03/16/20 23:38	1

## Method: 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.3	J b	23.6	3.15	mg/Kg	✉		03/25/20 20:12	5

## Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12.2		0.572	0.120	mg/Kg	✉	03/18/20 16:33	03/20/20 12:53	1
Chromium	10.1		0.572	0.0579	mg/Kg	✉	03/18/20 16:33	03/20/20 12:53	1
Cadmium	0.132	J	0.286	0.0293	mg/Kg	✉	03/18/20 16:33	03/20/20 12:53	1
Barium	80.3		1.14	0.0343	mg/Kg	✉	03/18/20 16:33	03/20/20 12:53	1
Arsenic	4.70		1.14	0.250	mg/Kg	✉	03/18/20 16:33	03/20/20 12:53	1
Silver	0.136	U	0.458	0.136	mg/Kg	✉	03/18/20 16:33	03/20/20 12:53	1
Selenium	0.296	U	2.29	0.296	mg/Kg	✉	03/18/20 16:33	03/20/20 12:53	1

## Method: 7471A - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	4.08	U	19.4	4.08	ug/Kg	✉	03/20/20 11:20	03/23/20 11:15	1

## General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15.2		1.0	1.0	%			03/17/20 09:08	1
Percent Solids	84.8		1.0	1.0	%			03/17/20 09:08	1

**Client Sample ID: B5 @12.5-15**

Date Collected: 03/12/20 17:47  
Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-10**

Matrix: Solid  
Percent Solids: 82.5

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.60	U *	9.67	1.60	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Benzene	0.609	U	4.83	0.609	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Bromoform	1.32	U	4.83	1.32	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Bromomethane	0.802	U	9.67	0.802	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
2-Butanone (MEK)	1.84	U *	9.67	1.84	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Carbon disulfide	0.532	U	9.67	0.532	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1

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# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B5 @12.5-15**

**Lab Sample ID: 600-202277-10**

Date Collected: 03/12/20 17:47

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 82.5

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	1.09	U	4.83	1.09	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Dibromochloromethane	0.909	U	4.83	0.909	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Chlorobenzene	0.928	U	4.83	0.928	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Chloroethane	1.35	U	9.67	1.35	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Chloroform	0.638	U	9.67	0.638	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Chloromethane	1.60	U	9.67	1.60	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
1,1-Dichloroethane	0.841	U	4.83	0.841	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
1,2-Dichloroethane	0.870	U	4.83	0.870	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
1,1-Dichloroethene	1.18	U	4.83	1.18	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
cis-1,2-Dichloroethene	0.802	U	4.83	0.802	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
trans-1,2-Dichloroethene	1.10	U	4.83	1.10	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
1,2-Dichloropropane	0.686	U	4.83	0.686	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
cis-1,3-Dichloropropene	0.522	U	4.83	0.522	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
trans-1,3-Dichloropropene	0.561	U	4.83	0.561	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Ethylbenzene	0.986	U	4.83	0.986	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
2-Hexanone	0.976	U *	9.67	0.976	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
<b>Methylene Chloride</b>	<b>5.42</b>	<b>J b</b>	9.67	2.12	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Styrene	0.686	U	4.83	0.686	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
1,1,2,2-Tetrachloroethane	0.841	U	4.83	0.841	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Tetrachloroethene	0.686	U	4.83	0.686	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Toluene	1.33	U	4.83	1.33	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
1,1,1-Trichloroethane	0.715	U	4.83	0.715	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
1,1,2-Trichloroethane	0.706	U	4.83	0.706	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Trichloroethene	1.35	U *	4.83	1.35	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Vinyl acetate	0.899	U	9.67	0.899	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Vinyl chloride	0.870	U	9.67	0.870	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
o-Xylene	1.09	U	4.83	1.09	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
m-Xylene & p-Xylene	1.47	U	4.83	1.47	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Xylenes, Total	1.09	U	4.83	1.09	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Bromodichloromethane	0.638	U	4.83	0.638	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.39	U	4.83	1.39	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
1,2-Dibromo-3-Chloropropane	2.36	U	4.83	2.36	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Dichlorodifluoromethane	1.49	U	4.83	1.49	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
1,2-Dibromoethane	0.986	U	4.83	0.986	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Isopropylbenzene	0.889	U *	4.83	0.889	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Methyl tert-butyl ether	1.77	U	4.83	1.77	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
Cyclohexane	1.86	U	4.83	1.86	ug/Kg	✉	03/14/20 16:05	03/19/20 17:10	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Toluene-d8 (Surr)	79		50 - 130				03/14/20 16:05	03/19/20 17:10	1
Dibromofluoromethane	85		68 - 140				03/14/20 16:05	03/19/20 17:10	1
4-Bromofluorobenzene	100		57 - 140				03/14/20 16:05	03/19/20 17:10	1
1,2-Dichloroethane-d4 (Surr)	94		61 - 130				03/14/20 16:05	03/19/20 17:10	1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.74	U	40.3	1.74	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Acenaphthylene	1.21	U	40.3	1.21	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Anthracene	1.55	U	40.3	1.55	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Benzo[a]anthracene	1.67	U	40.3	1.67	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B5 @12.5-15**  
**Date Collected: 03/12/20 17:47**  
**Date Received: 03/14/20 10:52**

**Lab Sample ID: 600-202277-10**  
**Matrix: Solid**  
**Percent Solids: 82.5**

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	2.08	U	40.3	2.08	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Benzo[k]fluoranthene	1.80	U	40.3	1.80	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Benzo[g,h,i]perylene	6.13	U	40.3	6.13	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Benzo[a]pyrene	1.95	U	40.3	1.95	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Bis(2-chloroethoxy)methane	1.72	U	40.3	1.72	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Bis(2-chloroethyl)ether	1.99	U	40.3	1.99	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>8.70</b>	<b>J</b>	40.3	6.49	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
4-Bromophenyl phenyl ether	3.43	U	40.3	3.43	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Butyl benzyl phthalate	7.48	U	80.6	7.48	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
4-Chloroaniline	7.04	U	40.3	7.04	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
2-Chloronaphthalene	1.46	U	40.3	1.46	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
4-Chlorophenyl phenyl ether	2.18	U	40.3	2.18	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Carbazole	3.77	U	40.3	3.77	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Chrysene	1.23	U	40.3	1.23	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Di-n-butyl phthalate	3.13	U	80.6	3.13	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Dibenz(a,h)anthracene	4.39	U	40.3	4.39	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Dibenzofuran	2.15	U	40.3	2.15	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
3,3'-Dichlorobenzidine	12.3	U	40.3	12.3	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Diethyl phthalate	10.2	U	80.6	10.2	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Dimethyl phthalate	5.91	U	80.6	5.91	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
2,4-Dinitrotoluene	4.36	U	40.3	4.36	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Di-n-octyl phthalate	2.30	U	80.6	2.30	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Fluoranthene	3.76	U	40.3	3.76	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Fluorene	2.85	U	40.3	2.85	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Hexachlorobenzene	1.84	U	40.3	1.84	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Hexachlorocyclopentadiene	5.57	U	40.3	5.57	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Hexachloroethane	2.79	U	40.3	2.79	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Hexachlorobutadiene	2.32	U	40.3	2.32	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Indeno[1,2,3-cd]pyrene	4.23	U	40.3	4.23	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Isophorone	1.21	U	40.3	1.21	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
2-Methylnaphthalene	3.31	U	40.3	3.31	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Naphthalene	1.63	U	40.3	1.63	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
2-Nitroaniline	5.91	U	40.3	5.91	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
3-Nitroaniline	8.64	U	40.3	8.64	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
4-Nitroaniline	13.5	U	40.3	13.5	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Nitrobenzene	3.58	U	40.3	3.58	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
N-Nitrosodiphenylamine	2.29	U	40.3	2.29	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
N-Nitrosodi-n-propylamine	2.68	U	40.3	2.68	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Phenanthrene	5.98	U	40.3	5.98	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
Pyrene	2.21	U	40.3	2.21	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
4-Chloro-3-methylphenol	18.8	U	40.3	18.8	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
2-Chlorophenol	2.38	U	40.3	2.38	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
2-Methylphenol	3.91	U	40.3	3.91	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
3 & 4 Methylphenol	3.37	U	40.3	3.37	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
2,4-Dichlorophenol	4.68	U	40.3	4.68	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
2,4-Dimethylphenol	10.4	U	40.3	10.4	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
4,6-Dinitro-2-methylphenol	6.02	U	206	6.02	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
2,4-Dinitrophenol	5.71	U	121	5.71	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1
2-Nitrophenol	4.70	U	40.3	4.70	ug/Kg	✉	03/19/20 07:21	03/20/20 14:56	1

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B5 @12.5-15**

**Lab Sample ID: 600-202277-10**

Date Collected: 03/12/20 17:47

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 82.5

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	6.14	U	242	6.14	ug/Kg	⊗	03/19/20 07:21	03/20/20 14:56	1
Pentachlorophenol	4.84	U	202	4.84	ug/Kg	⊗	03/19/20 07:21	03/20/20 14:56	1
Phenol	5.13	U	40.3	5.13	ug/Kg	⊗	03/19/20 07:21	03/20/20 14:56	1
2,4,5-Trichlorophenol	12.1	U	40.3	12.1	ug/Kg	⊗	03/19/20 07:21	03/20/20 14:56	1
2,4,6-Trichlorophenol	3.24	U	40.3	3.24	ug/Kg	⊗	03/19/20 07:21	03/20/20 14:56	1
2,6-Dinitrotoluene	3.57	U	40.3	3.57	ug/Kg	⊗	03/19/20 07:21	03/20/20 14:56	1
bis (2-Chloroisopropyl) ether	10.7	U	40.3	10.7	ug/Kg	⊗	03/19/20 07:21	03/20/20 14:56	1
1,1'-Biphenyl	4.84	U	40.3	4.84	ug/Kg	⊗	03/19/20 07:21	03/20/20 14:56	1
Acetophenone	3.99	U	40.3	3.99	ug/Kg	⊗	03/19/20 07:21	03/20/20 14:56	1
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>		<b>Prepared</b>		<b>Analyzed</b>	<b>Dil Fac</b>
Terphenyl-d14	36	X		53 - 134		03/19/20 07:21		03/20/20 14:56	1
Nitrobenzene-d5	37			10 - 155		03/19/20 07:21		03/20/20 14:56	1
2-Fluorophenol	38			25 - 132		03/19/20 07:21		03/20/20 14:56	1
2-Fluorobiphenyl	38			38 - 130		03/19/20 07:21		03/20/20 14:56	1
2,4,6-Tribromophenol	25			10 - 148		03/19/20 07:21		03/20/20 14:56	1
Phenol-d5 (Surrogate)	29			27 - 130		03/19/20 07:21		03/20/20 14:56	1

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.54	U	9.31	3.54	mg/Kg	⊗	03/14/20 14:05	03/17/20 00:12	1
>C12-C28	3.78	U	9.31	3.78	mg/Kg	⊗	03/14/20 14:05	03/17/20 00:12	1
>C28-C35	3.78	U	9.31	3.78	mg/Kg	⊗	03/14/20 14:05	03/17/20 00:12	1
C6-C35	3.54	U	9.31	3.54	mg/Kg	⊗	03/14/20 14:05	03/17/20 00:12	1
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>		<b>Prepared</b>		<b>Analyzed</b>	<b>Dil Fac</b>
o-Terphenyl	83			70 - 130		03/14/20 14:05		03/17/20 00:12	1

## Method: 9056A - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.77	J b	9.74	1.30	mg/Kg	⊗		03/25/20 21:13	2

## Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11.5			0.566	0.119 mg/Kg	⊗	03/18/20 16:33	03/20/20 12:55	1
Chromium	6.16			0.566	0.0573 mg/Kg	⊗	03/18/20 16:33	03/20/20 12:55	1
Cadmium	0.0290	U		0.283	0.0290 mg/Kg	⊗	03/18/20 16:33	03/20/20 12:55	1
Barium	34.0			1.13	0.0340 mg/Kg	⊗	03/18/20 16:33	03/20/20 12:55	1
Arsenic	6.96			1.13	0.247 mg/Kg	⊗	03/18/20 16:33	03/20/20 12:55	1
Silver	0.135	U		0.453	0.135 mg/Kg	⊗	03/18/20 16:33	03/20/20 12:55	1
Selenium	0.293	U		2.27	0.293 mg/Kg	⊗	03/18/20 16:33	03/20/20 12:55	1

## Method: 7471A - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	4.95	J	19.6	4.13	ug/Kg	⊗	03/20/20 11:20	03/23/20 11:17	1

## General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17.5		1.0	1.0	%			03/17/20 09:08	1
Percent Solids	82.5		1.0	1.0	%			03/17/20 09:08	1

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# Definitions/Glossary

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
*	LCS or LCSD is outside acceptance limits.
b	The compound was found in the blank and sample
E	Result is greater than the UQL and the concentration is an estimated value.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.

### GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
N1	MS, MSD: Spike recovery exceeds upper or lower control limits.
N2	RPD of the MS and MSD exceeds the control limits
U	Analyte was not detected at or above the SDL.
X	Surrogate recovery exceeds control limits

### GC Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

### HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
b	The compound was found in the blank and sample
E	Result is greater than the UQL and the concentration is an estimated value.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.

### Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F	Duplicate RPD exceeds the control limit
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
N1	MS, MSD: Spike recovery exceeds upper or lower control limits.
U	Analyte was not detected at or above the SDL.

## Glossary

### Abbreviation

**These commonly used abbreviations may or may not be present in this report.**

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)

## Definitions/Glossary

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

### Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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# Surrogate Summary

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (50-130)	DBFM (68-140)	BFB (57-140)	DCA (61-130)
600-202277-1	B1/MW1 @0-2.5	82	87	91	90
600-202277-2	B1/MW1 @20-24	81	90	88	93
600-202277-3	B2 @ 0-2.5	90	84	84	85
600-202277-4	B2 @12.5-15	83	85	92	85
600-202277-5	B3 @0-2.5	81	81	86	91
600-202277-6	B3 @12.5-16	72	84	96	98
600-202277-7	B4/MW2 @0-2.5	78	105	105	111
600-202277-8	B4/MW2 @30-35	79	82	98	92
600-202277-8	B4/MW2 @30-35	81	84	107	95
600-202277-9	B5 @0-2.5	80	84	105	95
600-202277-10	B5 @12.5-15	79	85	100	94
LCS 600-290267/3	Lab Control Sample	85	93	96	91
LCS 600-290392/3	Lab Control Sample	84	84	91	75
LCS 600-290524/3	Lab Control Sample	87	87	91	79
LCS 600-290651/3	Lab Control Sample	87	84	95	79
LCS 600-290776/3	Lab Control Sample	78	87	107	94
LCSD 600-290267/4	Lab Control Sample Dup	84	88	89	91
LCSD 600-290392/4	Lab Control Sample Dup	84	86	89	80
LCSD 600-290524/4	Lab Control Sample Dup	84	89	91	84
LCSD 600-290651/4	Lab Control Sample Dup	83	88	66	87
LCSD 600-290776/4	Lab Control Sample Dup	81	88	110	94
MB 600-290267/6	Method Blank	84	90	94	101
MB 600-290392/6	Method Blank	84	89	90	97
MB 600-290524/6	Method Blank	85	95	88	96
MB 600-290651/6	Method Blank	81	88	102	99
MB 600-290776/6	Method Blank	78	86	103	109

### Surrogate Legend

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane

BFB = 4-Bromofluorobenzene

DCA = 1,2-Dichloroethane-d4 (Surr)

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TPHL (53-134)	NBZ (10-155)	2FP (25-132)	FBP (38-130)	TBP (10-148)	PHL (27-130)
600-202277-1	B1/MW1 @0-2.5	0 X	0 X	0 X	0 X	0 X	0 X
600-202277-2	B1/MW1 @20-24	83	71	64	79	53	60
600-202277-2 MS	B1/MW1 @20-24	65	58	48	54	58	36
600-202277-2 MSD	B1/MW1 @20-24	76	62	64	62	75	50
600-202277-3	B2 @ 0-2.5	98	70	71	67	55	41
600-202277-4	B2 @12.5-15	82	71	73	75	64	68
600-202277-5	B3 @0-2.5	78	41	20 X	61	61	35
600-202277-6	B3 @12.5-16	63	55	49	58	45	44
600-202277-7	B4/MW2 @0-2.5	85	21	56	55	62	28
600-202277-8	B4/MW2 @30-35	76	66	50	74	40	50
600-202277-9	B5 @0-2.5	73	57	55	62	67	42

Eurofins TestAmerica, Houston

# Surrogate Summary

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TPHL (53-134)	NBZ (10-155)	2FP (25-132)	FBP (38-130)	TBP (10-148)	PHL (27-130)
600-202277-10	B5 @12.5-15	36 X	37	38	38	25	29
LCS 600-290642/2-A	Lab Control Sample	95	86	87	80	98	86
MB 600-290642/1-A	Method Blank	91	76	75	82	23	69

### Surrogate Legend

TPHL = Terphenyl-d14

NBZ = Nitrobenzene-d5

2FP = 2-Fluorophenol

FBP = 2-Fluorobiphenyl

TBP = 2,4,6-Tribromophenol

PHL = Phenol-d5 (Surr)

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		OTPH (70-130)					
600-202277-1	B1/MW1 @0-2.5	92					
600-202277-2	B1/MW1 @20-24	83					
600-202277-3	B2 @ 0-2.5	88					
600-202277-4	B2 @12.5-15	96					
600-202277-5	B3 @0-2.5	95					
600-202277-6	B3 @12.5-16	89					
600-202277-7	B4/MW2 @0-2.5	90					
600-202277-8	B4/MW2 @30-35	93					
600-202277-9	B5 @0-2.5	89					
600-202277-10	B5 @12.5-15	83					
LCS 600-290303/2-A	Lab Control Sample	90					
LCSD 600-290303/3-A	Lab Control Sample Dup	100					
MB 600-290303/1-A	Method Blank	110					

### Surrogate Legend

OTPH = o-Terphenyl

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

**Lab Sample ID: MB 600-290267/6**

**Matrix: Solid**

**Analysis Batch: 290267**

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

Analyte	MB	MB	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier				
Acetone	4.517	J	10.0	1.66	ug/Kg	1
Benzene	0.630	U	5.00	0.630	ug/Kg	1
Bromoform	1.37	U	5.00	1.37	ug/Kg	1
Bromomethane	0.830	U	10.0	0.830	ug/Kg	1
2-Butanone (MEK)	1.90	U	10.0	1.90	ug/Kg	1
Carbon disulfide	0.550	U	10.0	0.550	ug/Kg	1
Carbon tetrachloride	1.13	U	5.00	1.13	ug/Kg	1
Dibromochloromethane	0.940	U	5.00	0.940	ug/Kg	1
Chlorobenzene	0.960	U	5.00	0.960	ug/Kg	1
Chloroethane	1.40	U	10.0	1.40	ug/Kg	1
Chloroform	0.660	U	10.0	0.660	ug/Kg	1
Chloromethane	1.66	U	10.0	1.66	ug/Kg	1
1,1-Dichloroethane	0.870	U	5.00	0.870	ug/Kg	1
1,2-Dichloroethane	0.900	U	5.00	0.900	ug/Kg	1
1,1-Dichloroethene	1.22	U	5.00	1.22	ug/Kg	1
cis-1,2-Dichloroethene	0.830	U	5.00	0.830	ug/Kg	1
trans-1,2-Dichloroethene	1.14	U	5.00	1.14	ug/Kg	1
1,2-Dichloropropane	0.710	U	5.00	0.710	ug/Kg	1
cis-1,3-Dichloropropene	0.540	U	5.00	0.540	ug/Kg	1
trans-1,3-Dichloropropene	0.580	U	5.00	0.580	ug/Kg	1
Ethylbenzene	1.02	U	5.00	1.02	ug/Kg	1
2-Hexanone	1.01	U	10.0	1.01	ug/Kg	1
Methylene Chloride	2.19	U	10.0	2.19	ug/Kg	1
Styrene	0.710	U	5.00	0.710	ug/Kg	1
1,1,2,2-Tetrachloroethane	0.870	U	5.00	0.870	ug/Kg	1
Tetrachloroethene	0.710	U	5.00	0.710	ug/Kg	1
Toluene	1.38	U	5.00	1.38	ug/Kg	1
1,1,1-Trichloroethane	0.740	U	5.00	0.740	ug/Kg	1
1,1,2-Trichloroethane	0.730	U	5.00	0.730	ug/Kg	1
Trichloroethene	1.40	U	5.00	1.40	ug/Kg	1
Vinyl acetate	0.930	U	10.0	0.930	ug/Kg	1
Vinyl chloride	0.900	U	10.0	0.900	ug/Kg	1
o-Xylene	1.13	U	5.00	1.13	ug/Kg	1
m-Xylene & p-Xylene	1.52	U	5.00	1.52	ug/Kg	1
Xylenes, Total	1.13	U	5.00	1.13	ug/Kg	1
Bromodichloromethane	0.660	U	5.00	0.660	ug/Kg	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.44	U	5.00	1.44	ug/Kg	1
1,2-Dibromo-3-Chloropropane	2.44	U	5.00	2.44	ug/Kg	1
Dichlorodifluoromethane	1.54	U	5.00	1.54	ug/Kg	1
1,2-Dibromoethane	1.02	U	5.00	1.02	ug/Kg	1
Isopropylbenzene	0.920	U	5.00	0.920	ug/Kg	1
Methyl tert-butyl ether	1.83	U	5.00	1.83	ug/Kg	1
Cyclohexane	1.92	U	5.00	1.92	ug/Kg	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)			84		50 - 130			1
Dibromofluoromethane			90		68 - 140			1
4-Bromofluorobenzene			94		57 - 140			1

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

**Lab Sample ID: MB 600-290267/6**

**Matrix: Solid**

**Analysis Batch: 290267**

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

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	101	61 - 130						
1,2-Dichloroethane-d4 (Surr)								

**Lab Sample ID: LCS 600-290267/3**

**Matrix: Solid**

**Analysis Batch: 290267**

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
	Added	Result	Qualifier					
Acetone	100	124.9		ug/Kg		125	13 - 150	
Benzene	50.0	45.87		ug/Kg		92	70 - 131	
Bromoform	50.0	58.80		ug/Kg		118	43 - 150	
Bromomethane	50.0	49.61		ug/Kg		99	37 - 147	
2-Butanone (MEK)	100	110.2		ug/Kg		110	33 - 150	
Carbon disulfide	50.0	28.91		ug/Kg		58	51 - 141	
Carbon tetrachloride	50.0	48.84		ug/Kg		98	58 - 130	
Dibromochloromethane	50.0	56.10		ug/Kg		112	65 - 134	
Chlorobenzene	50.0	53.20		ug/Kg		106	63 - 131	
Chloroethane	50.0	51.75		ug/Kg		104	40 - 150	
Chloroform	50.0	46.17		ug/Kg		92	69 - 130	
Chloromethane	50.0	36.83		ug/Kg		74	44 - 141	
1,1-Dichloroethane	50.0	44.63		ug/Kg		89	63 - 140	
1,2-Dichloroethane	50.0	52.30		ug/Kg		105	58 - 137	
1,1,1-Dichloroethene	50.0	38.02		ug/Kg		76	62 - 142	
cis-1,2-Dichloroethene	50.0	45.02		ug/Kg		90	70 - 130	
trans-1,2-Dichloroethene	50.0	41.31		ug/Kg		83	69 - 130	
1,2-Dichloropropane	50.0	47.68		ug/Kg		95	70 - 130	
cis-1,3-Dichloropropene	50.0	50.18		ug/Kg		100	65 - 130	
trans-1,3-Dichloropropene	50.0	52.73		ug/Kg		105	70 - 130	
Ethylbenzene	50.0	51.09		ug/Kg		102	66 - 130	
2-Hexanone	100	105.5		ug/Kg		106	35 - 150	
Methylene Chloride	50.0	40.40		ug/Kg		81	61 - 150	
Styrene	50.0	54.35		ug/Kg		109	65 - 133	
1,1,2,2-Tetrachloroethane	50.0	50.26		ug/Kg		101	61 - 138	
Tetrachloroethene	50.0	55.44		ug/Kg		111	43 - 143	
Toluene	50.0	47.10		ug/Kg		94	67 - 130	
1,1,1-Trichloroethane	50.0	46.88		ug/Kg		94	59 - 130	
1,1,2-Trichloroethane	50.0	52.72		ug/Kg		105	67 - 134	
Trichloroethene	50.0	51.69		ug/Kg		103	63 - 135	
Vinyl acetate	100	99.42		ug/Kg		99	40 - 150	
Vinyl chloride	50.0	33.74		ug/Kg		67	40 - 148	
o-Xylene	50.0	50.70		ug/Kg		101	62 - 130	
m-Xylene & p-Xylene	50.0	48.33		ug/Kg		97	64 - 130	
Xylenes, Total	100	99.03		ug/Kg		99	63 - 130	
Bromodichloromethane	50.0	47.11		ug/Kg		94	67 - 138	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	40.75		ug/Kg		82	48 - 150	
1,2-Dibromo-3-Chloropropane	50.0	64.18		ug/Kg		128	29 - 150	
Dichlorodifluoromethane	50.0	26.64		ug/Kg		53	24 - 147	
1,2-Dibromoethane	50.0	57.90		ug/Kg		116	65 - 136	
Isopropylbenzene	50.0	45.89		ug/Kg		92	64 - 131	

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

**Lab Sample ID: LCS 600-290267/3**

**Matrix: Solid**

**Analysis Batch: 290267**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	58.87		ug/Kg		118	63 - 132
Cyclohexane	50.0	40.18		ug/Kg		80	54 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	85		50 - 130				
Dibromofluoromethane	93		68 - 140				
4-Bromofluorobenzene	96		57 - 140				
1,2-Dichloroethane-d4 (Surr)	91		61 - 130				

**Lab Sample ID: LCSD 600-290267/4**

**Matrix: Solid**

**Analysis Batch: 290267**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	100	124.2		ug/Kg		124	13 - 150	1	30
Benzene	50.0	42.04		ug/Kg		84	70 - 131	9	30
Bromoform	50.0	55.39		ug/Kg		111	43 - 150	6	30
Bromomethane	50.0	53.08		ug/Kg		106	37 - 147	7	30
2-Butanone (MEK)	100	114.0		ug/Kg		114	33 - 150	3	30
Carbon disulfide	50.0	29.27		ug/Kg		59	51 - 141	1	30
Carbon tetrachloride	50.0	45.15		ug/Kg		90	58 - 130	8	30
Dibromochloromethane	50.0	55.41		ug/Kg		111	65 - 134	1	30
Chlorobenzene	50.0	50.51		ug/Kg		101	63 - 131	5	30
Chloroethane	50.0	55.36		ug/Kg		111	40 - 150	7	30
Chloroform	50.0	42.25		ug/Kg		85	69 - 130	9	30
Chloromethane	50.0	40.12		ug/Kg		80	44 - 141	9	30
1,1-Dichloroethane	50.0	40.83		ug/Kg		82	63 - 140	9	30
1,2-Dichloroethane	50.0	49.82		ug/Kg		100	58 - 137	5	30
1,1-Dichloroethene	50.0	39.65		ug/Kg		79	62 - 142	4	30
cis-1,2-Dichloroethene	50.0	41.18		ug/Kg		82	70 - 130	9	30
trans-1,2-Dichloroethene	50.0	39.27		ug/Kg		79	69 - 130	5	30
1,2-Dichloropropane	50.0	44.70		ug/Kg		89	70 - 130	6	30
cis-1,3-Dichloropropene	50.0	49.54		ug/Kg		99	65 - 130	1	30
trans-1,3-Dichloropropene	50.0	51.91		ug/Kg		104	70 - 130	2	30
Ethylbenzene	50.0	48.34		ug/Kg		97	66 - 130	6	30
2-Hexanone	100	114.5		ug/Kg		115	35 - 150	8	30
Methylene Chloride	50.0	39.86		ug/Kg		80	61 - 150	1	30
Styrene	50.0	52.54		ug/Kg		105	65 - 133	3	30
1,1,2,2-Tetrachloroethane	50.0	49.63		ug/Kg		99	61 - 138	1	30
Tetrachloroethene	50.0	51.89		ug/Kg		104	43 - 143	7	30
Toluene	50.0	45.23		ug/Kg		90	67 - 130	4	30
1,1,1-Trichloroethane	50.0	43.55		ug/Kg		87	59 - 130	7	30
1,1,2-Trichloroethane	50.0	52.94		ug/Kg		106	67 - 134	0	30
Trichloroethene	50.0	48.68		ug/Kg		97	63 - 135	6	30
Vinyl acetate	100	93.83		ug/Kg		94	40 - 150	6	30
Vinyl chloride	50.0	36.91		ug/Kg		74	40 - 148	9	30
o-Xylene	50.0	49.08		ug/Kg		98	62 - 130	3	30
m-Xylene & p-Xylene	50.0	47.41		ug/Kg		95	64 - 130	2	30

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

**Lab Sample ID: LCSD 600-290267/4**

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

**Matrix: Solid**  
**Analysis Batch: 290267**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD RPD	Limit
Xylenes, Total	100	96.49		ug/Kg		96	63 - 130	3	30
Bromodichloromethane	50.0	45.00		ug/Kg		90	67 - 138	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	41.72		ug/Kg		83	48 - 150	2	30
1,2-Dibromo-3-Chloropropane	50.0	69.14		ug/Kg		138	29 - 150	7	30
Dichlorodifluoromethane	50.0	30.54		ug/Kg		61	24 - 147	14	30
1,2-Dibromoethane	50.0	57.27		ug/Kg		115	65 - 136	1	30
Isopropylbenzene	50.0	41.89		ug/Kg		84	64 - 131	9	30
Methyl tert-butyl ether	50.0	53.35		ug/Kg		107	63 - 132	10	30
Cyclohexane	50.0	36.10		ug/Kg		72	54 - 130	11	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	84		50 - 130
Dibromofluoromethane	88		68 - 140
4-Bromofluorobenzene	89		57 - 140
1,2-Dichloroethane-d4 (Surr)	91		61 - 130

**Lab Sample ID: MB 600-290392/6**

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

**Matrix: Solid**  
**Analysis Batch: 290392**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.66	U	10.0	1.66	ug/Kg			03/17/20 11:11	1
Benzene	0.630	U	5.00	0.630	ug/Kg			03/17/20 11:11	1
Bromoform	1.37	U	5.00	1.37	ug/Kg			03/17/20 11:11	1
Bromomethane	0.830	U	10.0	0.830	ug/Kg			03/17/20 11:11	1
2-Butanone (MEK)	1.90	U	10.0	1.90	ug/Kg			03/17/20 11:11	1
Carbon disulfide	0.550	U	10.0	0.550	ug/Kg			03/17/20 11:11	1
Carbon tetrachloride	1.13	U	5.00	1.13	ug/Kg			03/17/20 11:11	1
Dibromochloromethane	0.940	U	5.00	0.940	ug/Kg			03/17/20 11:11	1
Chlorobenzene	0.960	U	5.00	0.960	ug/Kg			03/17/20 11:11	1
Chloroethane	1.40	U	10.0	1.40	ug/Kg			03/17/20 11:11	1
Chloroform	0.660	U	10.0	0.660	ug/Kg			03/17/20 11:11	1
Chloromethane	1.66	U	10.0	1.66	ug/Kg			03/17/20 11:11	1
1,1-Dichloroethane	0.870	U	5.00	0.870	ug/Kg			03/17/20 11:11	1
1,2-Dichloroethane	0.900	U	5.00	0.900	ug/Kg			03/17/20 11:11	1
1,1-Dichloroethene	1.22	U	5.00	1.22	ug/Kg			03/17/20 11:11	1
cis-1,2-Dichloroethene	0.830	U	5.00	0.830	ug/Kg			03/17/20 11:11	1
trans-1,2-Dichloroethene	1.14	U	5.00	1.14	ug/Kg			03/17/20 11:11	1
1,2-Dichloropropane	0.710	U	5.00	0.710	ug/Kg			03/17/20 11:11	1
cis-1,3-Dichloropropene	0.540	U	5.00	0.540	ug/Kg			03/17/20 11:11	1
trans-1,3-Dichloropropene	0.580	U	5.00	0.580	ug/Kg			03/17/20 11:11	1
Ethylbenzene	1.02	U	5.00	1.02	ug/Kg			03/17/20 11:11	1
2-Hexanone	1.01	U	10.0	1.01	ug/Kg			03/17/20 11:11	1
Methylene Chloride	4.386	J	10.0	2.19	ug/Kg			03/17/20 11:11	1
Styrene	0.710	U	5.00	0.710	ug/Kg			03/17/20 11:11	1
1,1,2,2-Tetrachloroethane	0.870	U	5.00	0.870	ug/Kg			03/17/20 11:11	1
Tetrachloroethene	0.710	U	5.00	0.710	ug/Kg			03/17/20 11:11	1
Toluene	1.38	U	5.00	1.38	ug/Kg			03/17/20 11:11	1

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

**Lab Sample ID: MB 600-290392/6**

**Matrix: Solid**

**Analysis Batch: 290392**

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

Analyte	MB		MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	0.740	U	5.00	0.740	ug/Kg			03/17/20 11:11	1
1,1,2-Trichloroethane	0.730	U	5.00	0.730	ug/Kg			03/17/20 11:11	1
Trichloroethene	1.40	U	5.00	1.40	ug/Kg			03/17/20 11:11	1
Vinyl acetate	0.930	U	10.0	0.930	ug/Kg			03/17/20 11:11	1
Vinyl chloride	0.900	U	10.0	0.900	ug/Kg			03/17/20 11:11	1
o-Xylene	1.13	U	5.00	1.13	ug/Kg			03/17/20 11:11	1
m-Xylene & p-Xylene	1.52	U	5.00	1.52	ug/Kg			03/17/20 11:11	1
Xylenes, Total	1.13	U	5.00	1.13	ug/Kg			03/17/20 11:11	1
Bromodichloromethane	0.660	U	5.00	0.660	ug/Kg			03/17/20 11:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.44	U	5.00	1.44	ug/Kg			03/17/20 11:11	1
1,2-Dibromo-3-Chloropropane	2.44	U	5.00	2.44	ug/Kg			03/17/20 11:11	1
Dichlorodifluoromethane	1.54	U	5.00	1.54	ug/Kg			03/17/20 11:11	1
1,2-Dibromoethane	1.02	U	5.00	1.02	ug/Kg			03/17/20 11:11	1
Isopropylbenzene	0.920	U	5.00	0.920	ug/Kg			03/17/20 11:11	1
Methyl tert-butyl ether	1.83	U	5.00	1.83	ug/Kg			03/17/20 11:11	1
Cyclohexane	1.92	U	5.00	1.92	ug/Kg			03/17/20 11:11	1

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	84		50 - 130		03/17/20 11:11	1
Dibromofluoromethane	89		68 - 140		03/17/20 11:11	1
4-Bromofluorobenzene	90		57 - 140		03/17/20 11:11	1
1,2-Dichloroethane-d4 (Surr)	97		61 - 130		03/17/20 11:11	1

**Lab Sample ID: LCS 600-290392/3**

**Matrix: Solid**

**Analysis Batch: 290392**

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

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
Acetone	100	81.17		ug/Kg		81	13 - 150	
Benzene	50.0	46.21		ug/Kg		92	70 - 131	
Bromoform	50.0	44.97		ug/Kg		90	43 - 150	
Bromomethane	50.0	55.57		ug/Kg		111	37 - 147	
2-Butanone (MEK)	100	78.26		ug/Kg		78	33 - 150	
Carbon disulfide	50.0	32.73		ug/Kg		65	51 - 141	
Carbon tetrachloride	50.0	49.62		ug/Kg		99	58 - 130	
Dibromochloromethane	50.0	50.52		ug/Kg		101	65 - 134	
Chlorobenzene	50.0	54.84		ug/Kg		110	63 - 131	
Chloroethane	50.0	61.76		ug/Kg		124	40 - 150	
Chloroform	50.0	45.55		ug/Kg		91	69 - 130	
Chloromethane	50.0	38.63		ug/Kg		77	44 - 141	
1,1-Dichloroethane	50.0	46.27		ug/Kg		93	63 - 140	
1,2-Dichloroethane	50.0	44.14		ug/Kg		88	58 - 137	
1,1-Dichloroethene	50.0	42.59		ug/Kg		85	62 - 142	
cis-1,2-Dichloroethene	50.0	45.89		ug/Kg		92	70 - 130	
trans-1,2-Dichloroethene	50.0	45.41		ug/Kg		91	69 - 130	
1,2-Dichloropropane	50.0	46.02		ug/Kg		92	70 - 130	
cis-1,3-Dichloropropene	50.0	48.31		ug/Kg		97	65 - 130	
trans-1,3-Dichloropropene	50.0	48.20		ug/Kg		96	70 - 130	

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

**Lab Sample ID: LCS 600-290392/3**

**Matrix: Solid**

**Analysis Batch: 290392**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	50.0	52.95		ug/Kg		106	66 - 130
2-Hexanone	100	70.16		ug/Kg		70	35 - 150
Methylene Chloride	50.0	57.68		ug/Kg		115	61 - 150
Styrene	50.0	55.21		ug/Kg		110	65 - 133
1,1,2,2-Tetrachloroethane	50.0	37.86		ug/Kg		76	61 - 138
Tetrachloroethene	50.0	59.49		ug/Kg		119	43 - 143
Toluene	50.0	49.55		ug/Kg		99	67 - 130
1,1,1-Trichloroethane	50.0	47.43		ug/Kg		95	59 - 130
1,1,2-Trichloroethane	50.0	45.42		ug/Kg		91	67 - 134
Trichloroethene	50.0	53.53		ug/Kg		107	63 - 135
Vinyl acetate	100	76.77		ug/Kg		77	40 - 150
Vinyl chloride	50.0	40.47		ug/Kg		81	40 - 148
o-Xylene	50.0	53.13		ug/Kg		106	62 - 130
m-Xylene & p-Xylene	50.0	51.29		ug/Kg		103	64 - 130
Xylenes, Total	100	104.4		ug/Kg		104	63 - 130
Bromodichloromethane	50.0	42.99		ug/Kg		86	67 - 138
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.51		ug/Kg		93	48 - 150
1,2-Dibromo-3-Chloropropane	50.0	41.66		ug/Kg		83	29 - 150
Dichlorodifluoromethane	50.0	31.65		ug/Kg		63	24 - 147
1,2-Dibromoethane	50.0	47.16		ug/Kg		94	65 - 136
Isopropylbenzene	50.0	47.18		ug/Kg		94	64 - 131
Methyl tert-butyl ether	50.0	49.29		ug/Kg		99	63 - 132
Cyclohexane	50.0	41.22		ug/Kg		82	54 - 130

**LCS LCS**

**Surrogate %Recovery Qualifier Limits**

Toluene-d8 (Surrogate)	84	50 - 130
Dibromofluoromethane	84	68 - 140
4-Bromofluorobenzene	91	57 - 140
1,2-Dichloroethane-d4 (Surrogate)	75	61 - 130

**Lab Sample ID: LCSD 600-290392/4**

**Matrix: Solid**

**Analysis Batch: 290392**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	100	98.04		ug/Kg		98	13 - 150	19	30
Benzene	50.0	42.95		ug/Kg		86	70 - 131	7	30
Bromoform	50.0	48.85		ug/Kg		98	43 - 150	8	30
Bromomethane	50.0	56.20		ug/Kg		112	37 - 147	1	30
2-Butanone (MEK)	100	92.74		ug/Kg		93	33 - 150	17	30
Carbon disulfide	50.0	29.72		ug/Kg		59	51 - 141	10	30
Carbon tetrachloride	50.0	44.29		ug/Kg		89	58 - 130	11	30
Dibromochloromethane	50.0	53.20		ug/Kg		106	65 - 134	5	30
Chlorobenzene	50.0	50.98		ug/Kg		102	63 - 131	7	30
Chloroethane	50.0	61.15		ug/Kg		122	40 - 150	1	30
Chloroform	50.0	44.15		ug/Kg		88	69 - 130	3	30
Chloromethane	50.0	38.04		ug/Kg		76	44 - 141	2	30
1,1-Dichloroethane	50.0	43.00		ug/Kg		86	63 - 140	7	30

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

**Lab Sample ID: LCSD 600-290392/4**

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

**Matrix: Solid**  
**Analysis Batch: 290392**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD RPD	Limit
1,2-Dichloroethane	50.0	46.98		ug/Kg		94	58 - 137	6	30
1,1-Dichloroethene	50.0	38.52		ug/Kg		77	62 - 142	10	30
cis-1,2-Dichloroethene	50.0	42.51		ug/Kg		85	70 - 130	8	30
trans-1,2-Dichloroethene	50.0	40.47		ug/Kg		81	69 - 130	12	30
1,2-Dichloropropane	50.0	45.22		ug/Kg		90	70 - 130	2	30
cis-1,3-Dichloropropene	50.0	48.39		ug/Kg		97	65 - 130	0	30
trans-1,3-Dichloropropene	50.0	48.72		ug/Kg		97	70 - 130	1	30
Ethylbenzene	50.0	49.30		ug/Kg		99	66 - 130	7	30
2-Hexanone	100	88.27		ug/Kg		88	35 - 150	23	30
Methylene Chloride	50.0	53.74		ug/Kg		107	61 - 150	7	30
Styrene	50.0	52.97		ug/Kg		106	65 - 133	4	30
1,1,2,2-Tetrachloroethane	50.0	42.03		ug/Kg		84	61 - 138	10	30
Tetrachloroethene	50.0	53.09		ug/Kg		106	43 - 143	11	30
Toluene	50.0	46.24		ug/Kg		92	67 - 130	7	30
1,1,1-Trichloroethane	50.0	42.75		ug/Kg		85	59 - 130	10	30
1,1,2-Trichloroethane	50.0	48.85		ug/Kg		98	67 - 134	7	30
Trichloroethene	50.0	49.69		ug/Kg		99	63 - 135	7	30
Vinyl acetate	100	86.74		ug/Kg		87	40 - 150	12	30
Vinyl chloride	50.0	41.14		ug/Kg		82	40 - 148	2	30
o-Xylene	50.0	50.08		ug/Kg		100	62 - 130	6	30
m-Xylene & p-Xylene	50.0	46.69		ug/Kg		93	64 - 130	9	30
Xylenes, Total	100	96.77		ug/Kg		97	63 - 130	8	30
Bromodichloromethane	50.0	43.12		ug/Kg		86	67 - 138	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	40.78		ug/Kg		82	48 - 150	13	30
1,2-Dibromo-3-Chloropropane	50.0	52.56		ug/Kg		105	29 - 150	23	30
Dichlorodifluoromethane	50.0	32.76		ug/Kg		66	24 - 147	3	30
1,2-Dibromoethane	50.0	52.15		ug/Kg		104	65 - 136	10	30
Isopropylbenzene	50.0	41.79		ug/Kg		84	64 - 131	12	30
Methyl tert-butyl ether	50.0	52.39		ug/Kg		105	63 - 132	6	30
Cyclohexane	50.0	37.25		ug/Kg		75	54 - 130	10	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surrogate)	84		50 - 130
Dibromofluoromethane	86		68 - 140
4-Bromofluorobenzene	89		57 - 140
1,2-Dichloroethane-d4 (Surrogate)	80		61 - 130

**Lab Sample ID: MB 600-290524/6**

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

**Matrix: Solid**  
**Analysis Batch: 290524**

Analyte	MB		MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	1.66	U	10.0	1.66	ug/Kg			03/18/20 10:42	1
Benzene	0.630	U	5.00	0.630	ug/Kg			03/18/20 10:42	1
Bromoform	1.37	U	5.00	1.37	ug/Kg			03/18/20 10:42	1
Bromomethane	0.830	U	10.0	0.830	ug/Kg			03/18/20 10:42	1
2-Butanone (MEK)	1.90	U	10.0	1.90	ug/Kg			03/18/20 10:42	1
Carbon disulfide	0.550	U	10.0	0.550	ug/Kg			03/18/20 10:42	1

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

Lab Sample ID: MB 600-290524/6

Matrix: Solid

Analysis Batch: 290524

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

Analyte	MB	MB	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier				
Carbon tetrachloride	1.13	U	5.00	1.13	ug/Kg	1
Dibromochloromethane	0.940	U	5.00	0.940	ug/Kg	1
Chlorobenzene	0.960	U	5.00	0.960	ug/Kg	1
Chloroethane	1.40	U	10.0	1.40	ug/Kg	1
Chloroform	0.660	U	10.0	0.660	ug/Kg	1
Chloromethane	1.66	U	10.0	1.66	ug/Kg	1
1,1-Dichloroethane	0.870	U	5.00	0.870	ug/Kg	1
1,2-Dichloroethane	0.900	U	5.00	0.900	ug/Kg	1
1,1-Dichloroethene	1.22	U	5.00	1.22	ug/Kg	1
cis-1,2-Dichloroethene	0.830	U	5.00	0.830	ug/Kg	1
trans-1,2-Dichloroethene	1.14	U	5.00	1.14	ug/Kg	1
1,2-Dichloropropane	0.710	U	5.00	0.710	ug/Kg	1
cis-1,3-Dichloropropene	0.540	U	5.00	0.540	ug/Kg	1
trans-1,3-Dichloropropene	0.580	U	5.00	0.580	ug/Kg	1
Ethylbenzene	1.02	U	5.00	1.02	ug/Kg	1
2-Hexanone	1.01	U	10.0	1.01	ug/Kg	1
Methylene Chloride	4.282	J	10.0	2.19	ug/Kg	1
Styrene	0.710	U	5.00	0.710	ug/Kg	1
1,1,2,2-Tetrachloroethane	0.870	U	5.00	0.870	ug/Kg	1
Tetrachloroethene	0.710	U	5.00	0.710	ug/Kg	1
Toluene	1.38	U	5.00	1.38	ug/Kg	1
1,1,1-Trichloroethane	0.740	U	5.00	0.740	ug/Kg	1
1,1,2-Trichloroethane	0.730	U	5.00	0.730	ug/Kg	1
Trichloroethene	1.40	U	5.00	1.40	ug/Kg	1
Vinyl acetate	0.930	U	10.0	0.930	ug/Kg	1
Vinyl chloride	0.900	U	10.0	0.900	ug/Kg	1
o-Xylene	1.13	U	5.00	1.13	ug/Kg	1
m-Xylene & p-Xylene	1.52	U	5.00	1.52	ug/Kg	1
Xylenes, Total	1.13	U	5.00	1.13	ug/Kg	1
Bromodichloromethane	0.660	U	5.00	0.660	ug/Kg	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.44	U	5.00	1.44	ug/Kg	1
1,2-Dibromo-3-Chloropropane	2.44	U	5.00	2.44	ug/Kg	1
Dichlorodifluoromethane	1.54	U	5.00	1.54	ug/Kg	1
1,2-Dibromoethane	1.02	U	5.00	1.02	ug/Kg	1
Isopropylbenzene	0.920	U	5.00	0.920	ug/Kg	1
Methyl tert-butyl ether	1.83	U	5.00	1.83	ug/Kg	1
Cyclohexane	1.92	U	5.00	1.92	ug/Kg	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	85		50 - 130		03/18/20 10:42	1
Dibromofluoromethane	95		68 - 140		03/18/20 10:42	1
4-Bromofluorobenzene	88		57 - 140		03/18/20 10:42	1
1,2-Dichloroethane-d4 (Surr)	96		61 - 130		03/18/20 10:42	1

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

**Lab Sample ID: LCS 600-290524/3**

**Matrix: Solid**

**Analysis Batch: 290524**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	95.78		ug/Kg		96	13 - 150
Benzene	50.0	43.31		ug/Kg		87	70 - 131
Bromoform	50.0	47.16		ug/Kg		94	43 - 150
Bromomethane	50.0	63.40		ug/Kg		127	37 - 147
2-Butanone (MEK)	100	83.52		ug/Kg		84	33 - 150
Carbon disulfide	50.0	30.94		ug/Kg		62	51 - 141
Carbon tetrachloride	50.0	46.47		ug/Kg		93	58 - 130
Dibromochloromethane	50.0	52.26		ug/Kg		105	65 - 134
Chlorobenzene	50.0	53.50		ug/Kg		107	63 - 131
Chloroethane	50.0	67.05		ug/Kg		134	40 - 150
Chloroform	50.0	43.73		ug/Kg		87	69 - 130
Chloromethane	50.0	48.33		ug/Kg		97	44 - 141
1,1-Dichloroethane	50.0	42.41		ug/Kg		85	63 - 140
1,2-Dichloroethane	50.0	45.02		ug/Kg		90	58 - 137
1,1-Dichloroethene	50.0	41.28		ug/Kg		83	62 - 142
cis-1,2-Dichloroethene	50.0	42.40		ug/Kg		85	70 - 130
trans-1,2-Dichloroethene	50.0	43.00		ug/Kg		86	69 - 130
1,2-Dichloropropane	50.0	43.85		ug/Kg		88	70 - 130
cis-1,3-Dichloropropene	50.0	48.92		ug/Kg		98	65 - 130
trans-1,3-Dichloropropene	50.0	49.76		ug/Kg		100	70 - 130
Ethylbenzene	50.0	51.01		ug/Kg		102	66 - 130
2-Hexanone	100	79.22		ug/Kg		79	35 - 150
Methylene Chloride	50.0	45.32		ug/Kg		91	61 - 150
Styrene	50.0	53.72		ug/Kg		107	65 - 133
1,1,2,2-Tetrachloroethane	50.0	38.99		ug/Kg		78	61 - 138
Tetrachloroethene	50.0	55.67		ug/Kg		111	43 - 143
Toluene	50.0	46.40		ug/Kg		93	67 - 130
1,1,1-Trichloroethane	50.0	43.88		ug/Kg		88	59 - 130
1,1,2-Trichloroethane	50.0	47.86		ug/Kg		96	67 - 134
Trichloroethene	50.0	50.80		ug/Kg		102	63 - 135
Vinyl acetate	100	80.18		ug/Kg		80	40 - 150
Vinyl chloride	50.0	50.49		ug/Kg		101	40 - 148
o-Xylene	50.0	50.29		ug/Kg		101	62 - 130
m-Xylene & p-Xylene	50.0	48.43		ug/Kg		97	64 - 130
Xylenes, Total	100	98.72		ug/Kg		99	63 - 130
Bromodichloromethane	50.0	44.28		ug/Kg		89	67 - 138
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	43.17		ug/Kg		86	48 - 150
1,2-Dibromo-3-Chloropropane	50.0	48.79		ug/Kg		98	29 - 150
Dichlorodifluoromethane	50.0	38.50		ug/Kg		77	24 - 147
1,2-Dibromoethane	50.0	50.70		ug/Kg		101	65 - 136
Isopropylbenzene	50.0	43.05		ug/Kg		86	64 - 131
Methyl tert-butyl ether	50.0	50.12		ug/Kg		100	63 - 132
Cyclohexane	50.0	38.10		ug/Kg		76	54 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	87		50 - 130
Dibromofluoromethane	87		68 - 140

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

**Lab Sample ID: LCS 600-290524/3**

**Matrix: Solid**

**Analysis Batch: 290524**

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

Surrogate	LCS	LCS	%Recovery	Qualifier	Limits
4-Bromofluorobenzene			91		57 - 140
1,2-Dichloroethane-d4 (Surr)			79		61 - 130

**Lab Sample ID: LCSD 600-290524/4**

**Matrix: Solid**

**Analysis Batch: 290524**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	100	124.2		ug/Kg		124	13 - 150	26	30
Benzene	50.0	49.13		ug/Kg		98	70 - 131	13	30
Bromoform	50.0	59.50		ug/Kg		119	43 - 150	23	30
Bromomethane	50.0	58.60		ug/Kg		117	37 - 147	8	30
2-Butanone (MEK)	100	114.0	*	ug/Kg		114	33 - 150	31	30
Carbon disulfide	50.0	33.22		ug/Kg		66	51 - 141	7	30
Carbon tetrachloride	50.0	52.13		ug/Kg		104	58 - 130	11	30
Dibromochloromethane	50.0	61.76		ug/Kg		124	65 - 134	17	30
Chlorobenzene	50.0	59.77		ug/Kg		120	63 - 131	11	30
Chloroethane	50.0	57.38		ug/Kg		115	40 - 150	16	30
Chloroform	50.0	49.70		ug/Kg		99	69 - 130	13	30
Chloromethane	50.0	40.38		ug/Kg		81	44 - 141	18	30
1,1-Dichloroethane	50.0	48.15		ug/Kg		96	63 - 140	13	30
1,2-Dichloroethane	50.0	53.30		ug/Kg		107	58 - 137	17	30
1,1-Dichloroethene	50.0	44.74		ug/Kg		89	62 - 142	8	30
cis-1,2-Dichloroethene	50.0	48.06		ug/Kg		96	70 - 130	13	30
trans-1,2-Dichloroethene	50.0	46.83		ug/Kg		94	69 - 130	9	30
1,2-Dichloropropane	50.0	49.30		ug/Kg		99	70 - 130	12	30
cis-1,3-Dichloropropene	50.0	54.42		ug/Kg		109	65 - 130	11	30
trans-1,3-Dichloropropene	50.0	56.46		ug/Kg		113	70 - 130	13	30
Ethylbenzene	50.0	56.80		ug/Kg		114	66 - 130	11	30
2-Hexanone	100	110.6	*	ug/Kg		111	35 - 150	33	30
Methylene Chloride	50.0	55.82		ug/Kg		112	61 - 150	21	30
Styrene	50.0	58.77		ug/Kg		118	65 - 133	9	30
1,1,2,2-Tetrachloroethane	50.0	49.88		ug/Kg		100	61 - 138	25	30
Tetrachloroethene	50.0	61.84		ug/Kg		124	43 - 143	10	30
Toluene	50.0	51.01		ug/Kg		102	67 - 130	9	30
1,1,1-Trichloroethane	50.0	48.62		ug/Kg		97	59 - 130	10	30
1,1,2-Trichloroethane	50.0	58.23		ug/Kg		116	67 - 134	20	30
Trichloroethene	50.0	57.52		ug/Kg		115	63 - 135	12	30
Vinyl acetate	100	99.24		ug/Kg		99	40 - 150	21	30
Vinyl chloride	50.0	43.25		ug/Kg		87	40 - 148	15	30
o-Xylene	50.0	54.73		ug/Kg		109	62 - 130	8	30
m-Xylene & p-Xylene	50.0	53.00		ug/Kg		106	64 - 130	9	30
Xylenes, Total	100	107.7		ug/Kg		108	63 - 130	9	30
Bromodichloromethane	50.0	49.98		ug/Kg		100	67 - 138	12	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.26		ug/Kg		95	48 - 150	9	30
1,2-Dibromo-3-Chloropropane	50.0	62.22		ug/Kg		124	29 - 150	24	30
Dichlorodifluoromethane	50.0	33.92		ug/Kg		68	24 - 147	13	30
1,2-Dibromoethane	50.0	63.54		ug/Kg		127	65 - 136	22	30

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

**Lab Sample ID: LCSD 600-290524/4**

**Matrix: Solid**

**Analysis Batch: 290524**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD RPD	Limit
Isopropylbenzene	50.0	48.69		ug/Kg		97	64 - 131	12	30
Methyl tert-butyl ether	50.0	57.98		ug/Kg		116	63 - 132	15	30
Cyclohexane	50.0	41.55		ug/Kg		83	54 - 130	9	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	84		50 - 130
Dibromofluoromethane	89		68 - 140
4-Bromofluorobenzene	91		57 - 140
1,2-Dichloroethane-d4 (Surr)	84		61 - 130

**Lab Sample ID: MB 600-290651/6**

**Matrix: Solid**

**Analysis Batch: 290651**

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

Analyte	MB Result	MB Qualifier	MB MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.66	U	10.0	1.66	ug/Kg			03/19/20 11:08	1
Benzene	0.630	U	5.00	0.630	ug/Kg			03/19/20 11:08	1
Bromoform	1.37	U	5.00	1.37	ug/Kg			03/19/20 11:08	1
Bromomethane	0.830	U	10.0	0.830	ug/Kg			03/19/20 11:08	1
2-Butanone (MEK)	1.90	U	10.0	1.90	ug/Kg			03/19/20 11:08	1
Carbon disulfide	0.550	U	10.0	0.550	ug/Kg			03/19/20 11:08	1
Carbon tetrachloride	1.13	U	5.00	1.13	ug/Kg			03/19/20 11:08	1
Dibromochloromethane	0.940	U	5.00	0.940	ug/Kg			03/19/20 11:08	1
Chlorobenzene	0.960	U	5.00	0.960	ug/Kg			03/19/20 11:08	1
Chloroethane	1.40	U	10.0	1.40	ug/Kg			03/19/20 11:08	1
Chloroform	0.660	U	10.0	0.660	ug/Kg			03/19/20 11:08	1
Chloromethane	1.66	U	10.0	1.66	ug/Kg			03/19/20 11:08	1
1,1-Dichloroethane	0.870	U	5.00	0.870	ug/Kg			03/19/20 11:08	1
1,2-Dichloroethane	0.900	U	5.00	0.900	ug/Kg			03/19/20 11:08	1
1,1-Dichloroethene	1.22	U	5.00	1.22	ug/Kg			03/19/20 11:08	1
cis-1,2-Dichloroethene	0.830	U	5.00	0.830	ug/Kg			03/19/20 11:08	1
trans-1,2-Dichloroethene	1.14	U	5.00	1.14	ug/Kg			03/19/20 11:08	1
1,2-Dichloropropane	0.710	U	5.00	0.710	ug/Kg			03/19/20 11:08	1
cis-1,3-Dichloropropene	0.540	U	5.00	0.540	ug/Kg			03/19/20 11:08	1
trans-1,3-Dichloropropene	0.580	U	5.00	0.580	ug/Kg			03/19/20 11:08	1
Ethylbenzene	1.02	U	5.00	1.02	ug/Kg			03/19/20 11:08	1
2-Hexanone	1.01	U	10.0	1.01	ug/Kg			03/19/20 11:08	1
Methylene Chloride	4.022	J	10.0	2.19	ug/Kg			03/19/20 11:08	1
Styrene	0.710	U	5.00	0.710	ug/Kg			03/19/20 11:08	1
1,1,2,2-Tetrachloroethane	0.870	U	5.00	0.870	ug/Kg			03/19/20 11:08	1
Tetrachloroethene	0.710	U	5.00	0.710	ug/Kg			03/19/20 11:08	1
Toluene	1.38	U	5.00	1.38	ug/Kg			03/19/20 11:08	1
1,1,1-Trichloroethane	0.740	U	5.00	0.740	ug/Kg			03/19/20 11:08	1
1,1,2-Trichloroethane	0.730	U	5.00	0.730	ug/Kg			03/19/20 11:08	1
Trichloroethene	1.40	U	5.00	1.40	ug/Kg			03/19/20 11:08	1
Vinyl acetate	0.930	U	10.0	0.930	ug/Kg			03/19/20 11:08	1
Vinyl chloride	0.900	U	10.0	0.900	ug/Kg			03/19/20 11:08	1
o-Xylene	1.13	U	5.00	1.13	ug/Kg			03/19/20 11:08	1

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

**Lab Sample ID: MB 600-290651/6**

**Matrix: Solid**

**Analysis Batch: 290651**

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

Analyte	MB		MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
m-Xylene & p-Xylene	1.52	U	5.00	1.52	ug/Kg			03/19/20 11:08	1
Xylenes, Total	1.13	U	5.00	1.13	ug/Kg			03/19/20 11:08	1
Bromodichloromethane	0.660	U	5.00	0.660	ug/Kg			03/19/20 11:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.44	U	5.00	1.44	ug/Kg			03/19/20 11:08	1
1,2-Dibromo-3-Chloropropane	2.44	U	5.00	2.44	ug/Kg			03/19/20 11:08	1
Dichlorodifluoromethane	1.54	U	5.00	1.54	ug/Kg			03/19/20 11:08	1
1,2-Dibromoethane	1.02	U	5.00	1.02	ug/Kg			03/19/20 11:08	1
Isopropylbenzene	0.920	U	5.00	0.920	ug/Kg			03/19/20 11:08	1
Methyl tert-butyl ether	1.83	U	5.00	1.83	ug/Kg			03/19/20 11:08	1
Cyclohexane	1.92	U	5.00	1.92	ug/Kg			03/19/20 11:08	1

### MB MB

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	81		50 - 130		03/19/20 11:08	1
Dibromofluoromethane	88		68 - 140		03/19/20 11:08	1
4-Bromofluorobenzene	102		57 - 140		03/19/20 11:08	1
1,2-Dichloroethane-d4 (Surr)	99		61 - 130		03/19/20 11:08	1

**Lab Sample ID: LCS 600-290651/3**

**Matrix: Solid**

**Analysis Batch: 290651**

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

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Acetone	100	95.00		ug/Kg		95	13 - 150
Benzene	50.0	44.77		ug/Kg		90	70 - 131
Bromoform	50.0	51.85		ug/Kg		104	43 - 150
Bromomethane	50.0	57.21		ug/Kg		114	37 - 147
2-Butanone (MEK)	100	93.76		ug/Kg		94	33 - 150
Carbon disulfide	50.0	29.74		ug/Kg		59	51 - 141
Carbon tetrachloride	50.0	47.47		ug/Kg		95	58 - 130
Dibromochloromethane	50.0	53.88		ug/Kg		108	65 - 134
Chlorobenzene	50.0	55.33		ug/Kg		111	63 - 131
Chloroethane	50.0	60.27		ug/Kg		121	40 - 150
Chloroform	50.0	46.85		ug/Kg		94	69 - 130
Chloromethane	50.0	42.64		ug/Kg		85	44 - 141
1,1-Dichloroethane	50.0	46.06		ug/Kg		92	63 - 140
1,2-Dichloroethane	50.0	44.79		ug/Kg		90	58 - 137
1,1-Dichloroethene	50.0	38.93		ug/Kg		78	62 - 142
cis-1,2-Dichloroethene	50.0	43.37		ug/Kg		87	70 - 130
trans-1,2-Dichloroethene	50.0	47.24		ug/Kg		94	69 - 130
1,2-Dichloropropane	50.0	61.25		ug/Kg		123	70 - 130
cis-1,3-Dichloropropene	50.0	51.57		ug/Kg		103	65 - 130
trans-1,3-Dichloropropene	50.0	51.45		ug/Kg		103	70 - 130
Ethylbenzene	50.0	53.04		ug/Kg		106	66 - 130
2-Hexanone	100	81.57		ug/Kg		82	35 - 150
Methylene Chloride	50.0	43.99		ug/Kg		88	61 - 150
Styrene	50.0	56.05		ug/Kg		112	65 - 133
1,1,2,2-Tetrachloroethane	50.0	43.15		ug/Kg		86	61 - 138
Tetrachloroethene	50.0	58.01		ug/Kg		116	43 - 143

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

**Lab Sample ID: LCS 600-290651/3**

**Matrix: Solid**

**Analysis Batch: 290651**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Toluene	50.0	50.62		ug/Kg		101	67 - 130	
1,1,1-Trichloroethane	50.0	43.87		ug/Kg		88	59 - 130	
1,1,2-Trichloroethane	50.0	50.15		ug/Kg		100	67 - 134	
Trichloroethene	50.0	68.81	*	ug/Kg		138	63 - 135	
Vinyl acetate	100	84.72		ug/Kg		85	40 - 150	
Vinyl chloride	50.0	44.66		ug/Kg		89	40 - 148	
o-Xylene	50.0	52.89		ug/Kg		106	62 - 130	
m-Xylene & p-Xylene	50.0	50.65		ug/Kg		101	64 - 130	
Xylenes, Total	100	103.5		ug/Kg		104	63 - 130	
Bromodichloromethane	50.0	57.57		ug/Kg		115	67 - 138	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	38.93		ug/Kg		78	48 - 150	
1,2-Dibromo-3-Chloropropane	50.0	52.44		ug/Kg		105	29 - 150	
Dichlorodifluoromethane	50.0	33.64		ug/Kg		67	24 - 147	
1,2-Dibromoethane	50.0	52.92		ug/Kg		106	65 - 136	
Isopropylbenzene	50.0	48.03		ug/Kg		96	64 - 131	
Methyl tert-butyl ether	50.0	54.89		ug/Kg		110	63 - 132	
Cyclohexane	50.0	36.89		ug/Kg		74	54 - 130	
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Surrogate	LCS %Recovery	LCS Qualifier	Limits					
Toluene-d8 (Surr)	87		50 - 130					
Dibromofluoromethane	84		68 - 140					
4-Bromofluorobenzene	95		57 - 140					
1,2-Dichloroethane-d4 (Surr)	79		61 - 130					

**Lab Sample ID: LCSD 600-290651/4**

**Matrix: Solid**

**Analysis Batch: 290651**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	100	132.1	*	ug/Kg		132	13 - 150	33	30
Benzene	50.0	48.24		ug/Kg		96	70 - 131	7	30
Bromoform	50.0	41.71		ug/Kg		83	43 - 150	22	30
Bromomethane	50.0	66.36		ug/Kg		133	37 - 147	15	30
2-Butanone (MEK)	100	128.7	*	ug/Kg		129	33 - 150	31	30
Carbon disulfide	50.0	33.65		ug/Kg		67	51 - 141	12	30
Carbon tetrachloride	50.0	51.47		ug/Kg		103	58 - 130	8	30
Dibromochloromethane	50.0	60.55		ug/Kg		121	65 - 134	12	30
Chlorobenzene	50.0	56.30		ug/Kg		113	63 - 131	2	30
Chloroethane	50.0	68.42		ug/Kg		137	40 - 150	13	30
Chloroform	50.0	48.71		ug/Kg		97	69 - 130	4	30
Chloromethane	50.0	50.93		ug/Kg		102	44 - 141	18	30
1,1-Dichloroethane	50.0	47.94		ug/Kg		96	63 - 140	4	30
1,2-Dichloroethane	50.0	54.53		ug/Kg		109	58 - 137	20	30
1,1-Dichloroethene	50.0	48.37		ug/Kg		97	62 - 142	22	30
cis-1,2-Dichloroethene	50.0	48.55		ug/Kg		97	70 - 130	11	30
trans-1,2-Dichloroethene	50.0	46.62		ug/Kg		93	69 - 130	1	30
1,2-Dichloropropane	50.0	50.78		ug/Kg		102	70 - 130	19	30
cis-1,3-Dichloropropene	50.0	54.74		ug/Kg		109	65 - 130	6	30

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

**Lab Sample ID: LCSD 600-290651/4**

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

**Matrix: Solid**  
**Analysis Batch: 290651**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec.	Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	50.0	56.83		ug/Kg	114	70 - 130	10	30	
Ethylbenzene	50.0	54.49		ug/Kg	109	66 - 130	3	30	
2-Hexanone	100	114.2	*	ug/Kg	114	35 - 150	33	30	
Methylene Chloride	50.0	50.54		ug/Kg	101	61 - 150	14	30	
Styrene	50.0	56.96		ug/Kg	114	65 - 133	2	30	
1,1,2,2-Tetrachloroethane	50.0	38.73		ug/Kg	77	61 - 138	11	30	
Tetrachloroethene	50.0	56.09		ug/Kg	112	43 - 143	3	30	
Toluene	50.0	49.79		ug/Kg	100	67 - 130	2	30	
1,1,1-Trichloroethane	50.0	49.20		ug/Kg	98	59 - 130	11	30	
1,1,2-Trichloroethane	50.0	58.78		ug/Kg	118	67 - 134	16	30	
Trichloroethene	50.0	54.09		ug/Kg	108	63 - 135	24	30	
Vinyl acetate	100	106.5		ug/Kg	106	40 - 150	23	30	
Vinyl chloride	50.0	51.25		ug/Kg	102	40 - 148	14	30	
o-Xylene	50.0	53.13		ug/Kg	106	62 - 130	0	30	
m-Xylene & p-Xylene	50.0	51.83		ug/Kg	104	64 - 130	2	30	
Xylenes, Total	100	105.0		ug/Kg	105	63 - 130	1	30	
Bromodichloromethane	50.0	50.05		ug/Kg	100	67 - 138	14	30	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.68		ug/Kg	93	48 - 150	18	30	
1,2-Dibromo-3-Chloropropane	50.0	67.47		ug/Kg	135	29 - 150	25	30	
Dichlorodifluoromethane	50.0	38.29		ug/Kg	77	24 - 147	13	30	
1,2-Dibromoethane	50.0	63.81		ug/Kg	128	65 - 136	19	30	
Isopropylbenzene	50.0	33.76	*	ug/Kg	68	64 - 131	35	30	
Methyl tert-butyl ether	50.0	58.75		ug/Kg	118	63 - 132	7	30	
Cyclohexane	50.0	41.95		ug/Kg	84	54 - 130	13	30	

**LCSD LCSD**

Surrogate	%Recovery	Qualifier	Limits
Toluene-d8 (Surr)	83		50 - 130
Dibromofluoromethane	88		68 - 140
4-Bromofluorobenzene	66		57 - 140
1,2-Dichloroethane-d4 (Surr)	87		61 - 130

**Lab Sample ID: MB 600-290776/6**

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

**Matrix: Solid**  
**Analysis Batch: 290776**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.66	U	10.0	1.66	ug/Kg			03/20/20 14:20	1
Benzene	0.630	U	5.00	0.630	ug/Kg			03/20/20 14:20	1
Bromoform	1.37	U	5.00	1.37	ug/Kg			03/20/20 14:20	1
Bromomethane	0.830	U	10.0	0.830	ug/Kg			03/20/20 14:20	1
2-Butanone (MEK)	1.90	U	10.0	1.90	ug/Kg			03/20/20 14:20	1
Carbon disulfide	0.550	U	10.0	0.550	ug/Kg			03/20/20 14:20	1
Carbon tetrachloride	1.13	U	5.00	1.13	ug/Kg			03/20/20 14:20	1
Dibromochloromethane	0.940	U	5.00	0.940	ug/Kg			03/20/20 14:20	1
Chlorobenzene	0.960	U	5.00	0.960	ug/Kg			03/20/20 14:20	1
Chloroethane	1.40	U	10.0	1.40	ug/Kg			03/20/20 14:20	1
Chloroform	0.660	U	10.0	0.660	ug/Kg			03/20/20 14:20	1
Chloromethane	1.66	U	10.0	1.66	ug/Kg			03/20/20 14:20	1

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

**Lab Sample ID: MB 600-290776/6**

**Matrix: Solid**

**Analysis Batch: 290776**

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

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.870	U	5.00	0.870	ug/Kg		03/20/20 14:20		1
1,2-Dichloroethane	0.900	U	5.00	0.900	ug/Kg		03/20/20 14:20		1
1,1-Dichloroethene	1.22	U	5.00	1.22	ug/Kg		03/20/20 14:20		1
cis-1,2-Dichloroethene	0.830	U	5.00	0.830	ug/Kg		03/20/20 14:20		1
trans-1,2-Dichloroethene	1.14	U	5.00	1.14	ug/Kg		03/20/20 14:20		1
1,2-Dichloropropane	0.710	U	5.00	0.710	ug/Kg		03/20/20 14:20		1
cis-1,3-Dichloropropene	0.540	U	5.00	0.540	ug/Kg		03/20/20 14:20		1
trans-1,3-Dichloropropene	0.580	U	5.00	0.580	ug/Kg		03/20/20 14:20		1
Ethylbenzene	1.02	U	5.00	1.02	ug/Kg		03/20/20 14:20		1
2-Hexanone	1.01	U	10.0	1.01	ug/Kg		03/20/20 14:20		1
Methylene Chloride	2.19	U	10.0	2.19	ug/Kg		03/20/20 14:20		1
Styrene	0.710	U	5.00	0.710	ug/Kg		03/20/20 14:20		1
1,1,2,2-Tetrachloroethane	0.870	U	5.00	0.870	ug/Kg		03/20/20 14:20		1
Tetrachloroethene	0.710	U	5.00	0.710	ug/Kg		03/20/20 14:20		1
Toluene	1.38	U	5.00	1.38	ug/Kg		03/20/20 14:20		1
1,1,1-Trichloroethane	0.740	U	5.00	0.740	ug/Kg		03/20/20 14:20		1
1,1,2-Trichloroethane	0.730	U	5.00	0.730	ug/Kg		03/20/20 14:20		1
Trichloroethene	1.40	U	5.00	1.40	ug/Kg		03/20/20 14:20		1
Vinyl acetate	0.930	U	10.0	0.930	ug/Kg		03/20/20 14:20		1
Vinyl chloride	0.900	U	10.0	0.900	ug/Kg		03/20/20 14:20		1
o-Xylene	1.13	U	5.00	1.13	ug/Kg		03/20/20 14:20		1
m-Xylene & p-Xylene	1.52	U	5.00	1.52	ug/Kg		03/20/20 14:20		1
Xylenes, Total	1.13	U	5.00	1.13	ug/Kg		03/20/20 14:20		1
Bromodichloromethane	0.660	U	5.00	0.660	ug/Kg		03/20/20 14:20		1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.44	U	5.00	1.44	ug/Kg		03/20/20 14:20		1
1,2-Dibromo-3-Chloropropane	2.44	U	5.00	2.44	ug/Kg		03/20/20 14:20		1
Dichlorodifluoromethane	1.54	U	5.00	1.54	ug/Kg		03/20/20 14:20		1
1,2-Dibromoethane	1.02	U	5.00	1.02	ug/Kg		03/20/20 14:20		1
Isopropylbenzene	0.920	U	5.00	0.920	ug/Kg		03/20/20 14:20		1
Methyl tert-butyl ether	1.83	U	5.00	1.83	ug/Kg		03/20/20 14:20		1
Cyclohexane	1.92	U	5.00	1.92	ug/Kg		03/20/20 14:20		1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	78		50 - 130		03/20/20 14:20	1
Dibromofluoromethane	86		68 - 140		03/20/20 14:20	1
4-Bromofluorobenzene	103		57 - 140		03/20/20 14:20	1
1,2-Dichloroethane-d4 (Surr)	109		61 - 130		03/20/20 14:20	1

**Lab Sample ID: LCS 600-290776/3**

**Matrix: Solid**

**Analysis Batch: 290776**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	146.6		ug/Kg		147	13 - 150
Benzene	50.0	47.12		ug/Kg		94	70 - 131
Bromoform	50.0	55.62		ug/Kg		111	43 - 150
Bromomethane	50.0	39.35		ug/Kg		79	37 - 147
2-Butanone (MEK)	100	130.4		ug/Kg		130	33 - 150

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

**Lab Sample ID: LCS 600-290776/3**

**Matrix: Solid**

**Analysis Batch: 290776**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Carbon disulfide	50.0	31.18		ug/Kg	62	51 - 141	
Carbon tetrachloride	50.0	45.28		ug/Kg	91	58 - 130	
Dibromochloromethane	50.0	49.40		ug/Kg	99	65 - 134	
Chlorobenzene	50.0	46.23		ug/Kg	92	63 - 131	
Chloroethane	50.0	55.41		ug/Kg	111	40 - 150	
Chloroform	50.0	47.30		ug/Kg	95	69 - 130	
Chloromethane	50.0	45.59		ug/Kg	91	44 - 141	
1,1-Dichloroethane	50.0	47.87		ug/Kg	96	63 - 140	
1,2-Dichloroethane	50.0	54.61		ug/Kg	109	58 - 137	
1,1-Dichloroethene	50.0	39.50		ug/Kg	79	62 - 142	
cis-1,2-Dichloroethene	50.0	44.14		ug/Kg	88	70 - 130	
trans-1,2-Dichloroethene	50.0	42.41		ug/Kg	85	69 - 130	
1,2-Dichloropropane	50.0	50.68		ug/Kg	101	70 - 130	
cis-1,3-Dichloropropene	50.0	51.04		ug/Kg	102	65 - 130	
trans-1,3-Dichloropropene	50.0	52.83		ug/Kg	106	70 - 130	
Ethylbenzene	50.0	44.99		ug/Kg	90	66 - 130	
2-Hexanone	100	114.9		ug/Kg	115	35 - 150	
Methylene Chloride	50.0	45.83		ug/Kg	92	61 - 150	
Styrene	50.0	47.05		ug/Kg	94	65 - 133	
1,1,2,2-Tetrachloroethane	50.0	62.63		ug/Kg	125	61 - 138	
Tetrachloroethene	50.0	42.69		ug/Kg	85	43 - 143	
Toluene	50.0	44.77		ug/Kg	90	67 - 130	
1,1,1-Trichloroethane	50.0	45.30		ug/Kg	91	59 - 130	
1,1,2-Trichloroethane	50.0	49.91		ug/Kg	100	67 - 134	
Trichloroethene	50.0	45.31		ug/Kg	91	63 - 135	
Vinyl acetate	100	109.9		ug/Kg	110	40 - 150	
Vinyl chloride	50.0	49.47		ug/Kg	99	40 - 148	
o-Xylene	50.0	44.26		ug/Kg	89	62 - 130	
m-Xylene & p-Xylene	50.0	44.98		ug/Kg	90	64 - 130	
Xylenes, Total	100	89.24		ug/Kg	89	63 - 130	
Bromodichloromethane	50.0	48.48		ug/Kg	97	67 - 138	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	35.70		ug/Kg	71	48 - 150	
ne							
1,2-Dibromo-3-Chloropropane	50.0	58.16		ug/Kg	116	29 - 150	
Dichlorodifluoromethane	50.0	34.54		ug/Kg	69	24 - 147	
1,2-Dibromoethane	50.0	52.39		ug/Kg	105	65 - 136	
Isopropylbenzene	50.0	49.00		ug/Kg	98	64 - 131	
Methyl tert-butyl ether	50.0	61.82		ug/Kg	124	63 - 132	
Cyclohexane	50.0	39.37		ug/Kg	79	54 - 130	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	78		50 - 130
Dibromofluoromethane	87		68 - 140
4-Bromofluorobenzene	107		57 - 140
1,2-Dichloroethane-d4 (Surr)	94		61 - 130

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

**Lab Sample ID: LCSD 600-290776/4**

**Matrix: Solid**

**Analysis Batch: 290776**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	100	123.5		ug/Kg		124	13 - 150	17	30
Benzene	50.0	49.71		ug/Kg		99	70 - 131	5	30
Bromoform	50.0	54.63		ug/Kg		109	43 - 150	2	30
Bromomethane	50.0	50.10		ug/Kg		100	37 - 147	24	30
2-Butanone (MEK)	100	120.1		ug/Kg		120	33 - 150	8	30
Carbon disulfide	50.0	32.27		ug/Kg		65	51 - 141	3	30
Carbon tetrachloride	50.0	48.31		ug/Kg		97	58 - 130	6	30
Dibromochloromethane	50.0	49.59		ug/Kg		99	65 - 134	0	30
Chlorobenzene	50.0	48.32		ug/Kg		97	63 - 131	4	30
Chloroethane	50.0	60.90		ug/Kg		122	40 - 150	9	30
Chloroform	50.0	48.93		ug/Kg		98	69 - 130	3	30
Chloromethane	50.0	49.77		ug/Kg		100	44 - 141	9	30
1,1-Dichloroethane	50.0	49.87		ug/Kg		100	63 - 140	4	30
1,2-Dichloroethane	50.0	55.40		ug/Kg		111	58 - 137	1	30
1,1-Dichloroethene	50.0	42.53		ug/Kg		85	62 - 142	7	30
cis-1,2-Dichloroethene	50.0	46.44		ug/Kg		93	70 - 130	5	30
trans-1,2-Dichloroethene	50.0	35.29		ug/Kg		71	69 - 130	18	30
1,2-Dichloropropane	50.0	53.28		ug/Kg		107	70 - 130	5	30
cis-1,3-Dichloropropene	50.0	52.43		ug/Kg		105	65 - 130	3	30
trans-1,3-Dichloropropene	50.0	52.76		ug/Kg		106	70 - 130	0	30
Ethylbenzene	50.0	47.61		ug/Kg		95	66 - 130	6	30
2-Hexanone	100	107.0		ug/Kg		107	35 - 150	7	30
Methylene Chloride	50.0	45.48		ug/Kg		91	61 - 150	1	30
Styrene	50.0	49.26		ug/Kg		99	65 - 133	5	30
1,1,2,2-Tetrachloroethane	50.0	58.52		ug/Kg		117	61 - 138	7	30
Tetrachloroethene	50.0	45.30		ug/Kg		91	43 - 143	6	30
Toluene	50.0	46.64		ug/Kg		93	67 - 130	4	30
1,1,1-Trichloroethane	50.0	47.60		ug/Kg		95	59 - 130	5	30
1,1,2-Trichloroethane	50.0	49.85		ug/Kg		100	67 - 134	0	30
Trichloroethene	50.0	48.86		ug/Kg		98	63 - 135	8	30
Vinyl acetate	100	104.7		ug/Kg		105	40 - 150	5	30
Vinyl chloride	50.0	52.30		ug/Kg		105	40 - 148	6	30
o-Xylene	50.0	46.47		ug/Kg		93	62 - 130	5	30
m-Xylene & p-Xylene	50.0	47.02		ug/Kg		94	64 - 130	4	30
Xylenes, Total	100	93.49		ug/Kg		93	63 - 130	5	30
Bromodichloromethane	50.0	50.39		ug/Kg		101	67 - 138	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	37.88		ug/Kg		76	48 - 150	6	30
1,2-Dibromo-3-Chloropropane	50.0	56.25		ug/Kg		113	29 - 150	3	30
Dichlorodifluoromethane	50.0	37.66		ug/Kg		75	24 - 147	9	30
1,2-Dibromoethane	50.0	52.06		ug/Kg		104	65 - 136	1	30
Isopropylbenzene	50.0	51.29		ug/Kg		103	64 - 131	5	30
Methyl tert-butyl ether	50.0	60.97		ug/Kg		122	63 - 132	1	30
Cyclohexane	50.0	40.59		ug/Kg		81	54 - 130	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	81		50 - 130
Dibromofluoromethane	88		68 - 140

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

**Lab Sample ID:** LCSD 600-290776/4

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

**Matrix:** Solid

**Analysis Batch:** 290776

Surrogate	LCSD	LCSD	%Recovery	Qualifier	Limits
4-Bromofluorobenzene			110		57 - 140
1,2-Dichloroethane-d4 (Surr)			94		61 - 130

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

**Lab Sample ID:** MB 600-290642/1-A

**Client Sample ID:** Method Blank  
**Prep Type:** Total/NA  
**Prep Batch:** 290642

**Matrix:** Solid

**Analysis Batch:** 290762

Analyte	MB	MB	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene			0.139	U	3.22	0.139	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Acenaphthylene			0.0967	U	3.22	0.0967	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Anthracene			0.124	U	3.22	0.124	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Benzo[a]anthracene			0.133	U	3.22	0.133	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Benzo[b]fluoranthene			0.166	U	3.22	0.166	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Benzo[k]fluoranthene			0.144	U	3.22	0.144	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Benzo[g,h,i]perylene			0.490	U	3.22	0.490	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Benzo[a]pyrene			0.156	U	3.22	0.156	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Bis(2-chloroethoxy)methane			0.137	U	3.22	0.137	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Bis(2-chloroethyl)ether			0.160	U	3.22	0.160	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Bis(2-ethylhexyl) phthalate			0.519	U	3.22	0.519	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
4-Bromophenyl phenyl ether			0.275	U	3.22	0.275	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Butyl benzyl phthalate			0.599	U	6.45	0.599	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
4-Chloroaniline			0.563	U	3.22	0.563	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
2-Chloronaphthalene			0.117	U	3.22	0.117	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
4-Chlorophenyl phenyl ether			0.174	U	3.22	0.174	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Carbazole			0.302	U	3.22	0.302	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Chrysene			0.0987	U	3.22	0.0987	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Di-n-butyl phthalate			0.250	U	6.45	0.250	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Dibenz(a,h)anthracene			0.351	U	3.22	0.351	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Dibenzofuran			0.172	U	3.22	0.172	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
3,3'-Dichlorobenzidine			0.983	U	3.22	0.983	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Diethyl phthalate			0.815	U	6.45	0.815	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Dimethyl phthalate			0.473	U	6.45	0.473	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
2,4-Dinitrotoluene			0.349	U	3.22	0.349	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Di-n-octyl phthalate			0.184	U	6.45	0.184	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Fluoranthene			0.301	U	3.22	0.301	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Fluorene			0.228	U	3.22	0.228	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Hexachlorobenzene			0.147	U	3.22	0.147	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Hexachlorocyclopentadiene			0.446	U	3.22	0.446	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Hexachloroethane			0.223	U	3.22	0.223	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Hexachlorobutadiene			0.186	U	3.22	0.186	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Indeno[1,2,3-cd]pyrene			0.339	U	3.22	0.339	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Isophorone			0.0967	U	3.22	0.0967	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
2-Methylnaphthalene			0.265	U	3.22	0.265	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
Naphthalene			0.131	U	3.22	0.131	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
2-Nitroaniline			0.473	U	3.22	0.473	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
3-Nitroaniline			0.692	U	3.22	0.692	ug/Kg		03/19/20 07:20	03/20/20 07:18	1
4-Nitroaniline			1.08	U	3.22	1.08	ug/Kg		03/19/20 07:20	03/20/20 07:18	1

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

**Lab Sample ID: MB 600-290642/1-A**

**Matrix: Solid**

**Analysis Batch: 290762**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 290642**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	0.286	U	3.22	0.286	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	1
N-Nitrosodiphenylamine	0.183	U	3.22	0.183	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	2
N-Nitrosodi-n-propylamine	0.215	U	3.22	0.215	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	3
Phenanthrene	0.479	U	3.22	0.479	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	4
Pyrene	0.177	U	3.22	0.177	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	5
4-Chloro-3-methylphenol	1.51	U	3.22	1.51	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	6
2-Chlorophenol	0.191	U	3.22	0.191	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	7
2-Methylphenol	0.312	U	3.22	0.312	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	8
3 & 4 Methylphenol	0.270	U	3.22	0.270	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	9
2,4-Dichlorophenol	0.374	U	3.22	0.374	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	10
2,4-Dimethylphenol	0.830	U	3.22	0.830	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	11
4,6-Dinitro-2-methylphenol	0.482	U	16.4	0.482	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	12
2,4-Dinitrophenol	0.457	U	9.67	0.457	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	13
2-Nitrophenol	0.376	U	3.22	0.376	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	14
4-Nitrophenol	0.491	U	19.3	0.491	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	15
Pentachlorophenol	0.387	U	16.2	0.387	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	16
Phenol	0.410	U	3.22	0.410	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	17
2,4,5-Trichlorophenol	0.968	U	3.22	0.968	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	18
2,4,6-Trichlorophenol	0.259	U	3.22	0.259	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	19
2,6-Dinitrotoluene	0.285	U	3.22	0.285	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	20
bis (2-Chloroisopropyl) ether	0.855	U	3.22	0.855	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	21
1,1'-Biphenyl	0.387	U	3.22	0.387	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	22
Acetophenone	0.319	U	3.22	0.319	ug/Kg	03/19/20 07:20	03/20/20 07:18	1	23

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	91		53 - 134	03/19/20 07:20	03/20/20 07:18	1
Nitrobenzene-d5	76		10 - 155	03/19/20 07:20	03/20/20 07:18	1
2-Fluorophenol	75		25 - 132	03/19/20 07:20	03/20/20 07:18	1
2-Fluorobiphenyl	82		38 - 130	03/19/20 07:20	03/20/20 07:18	1
2,4,6-Tribromophenol	23		10 - 148	03/19/20 07:20	03/20/20 07:18	1
Phenol-d5 (Surr)	69		27 - 130	03/19/20 07:20	03/20/20 07:18	1

**Lab Sample ID: LCS 600-290642/2-A**

**Matrix: Solid**

**Analysis Batch: 290762**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 290642**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	665	646.7		ug/Kg	97	42 - 130	
Acenaphthylene	665	657.3		ug/Kg	99	39 - 130	
Anthracene	665	684.7		ug/Kg	103	51 - 130	
Benzo[a]anthracene	665	688.9		ug/Kg	104	54 - 130	
Benzo[b]fluoranthene	665	719.7		ug/Kg	108	41 - 139	
Benzo[k]fluoranthene	665	693.4		ug/Kg	104	42 - 134	
Benzo[g,h,i]perylene	665	683.8		ug/Kg	103	38 - 142	
Benzo[a]pyrene	665	715.9		ug/Kg	108	44 - 131	
Bis(2-chloroethoxy)methane	665	605.9		ug/Kg	91	39 - 130	
Bis(2-chloroethyl)ether	665	630.7		ug/Kg	95	40 - 130	
Bis(2-ethylhexyl) phthalate	665	728.3		ug/Kg	109	41 - 145	

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

**Lab Sample ID: LCS 600-290642/2-A**

**Matrix: Solid**

**Analysis Batch: 290762**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 290642**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
4-Bromophenyl phenyl ether	665	736.6		ug/Kg		111	46 - 130	
Butyl benzyl phthalate	665	718.7		ug/Kg		108	48 - 141	
4-Chloroaniline	665	545.5		ug/Kg		82	32 - 130	
2-Chloronaphthalene	665	596.6		ug/Kg		90	41 - 130	
4-Chlorophenyl phenyl ether	665	657.1		ug/Kg		99	44 - 130	
Carbazole	665	700.1		ug/Kg		105	49 - 131	
Chrysene	665	670.0		ug/Kg		101	52 - 130	
Di-n-butyl phthalate	665	690.6		ug/Kg		104	51 - 135	
Dibenz(a,h)anthracene	665	708.0		ug/Kg		106	40 - 137	
Dibenzofuran	665	637.1		ug/Kg		96	43 - 130	
3,3'-Dichlorobenzidine	665	481.7		ug/Kg		72	13 - 146	
Diethyl phthalate	665	611.6		ug/Kg		92	50 - 130	
Dimethyl phthalate	665	656.7		ug/Kg		99	40 - 130	
2,4-Dinitrotoluene	665	675.5		ug/Kg		102	45 - 130	
Di-n-octyl phthalate	665	757.0		ug/Kg		114	38 - 153	
Fluoranthene	665	676.5		ug/Kg		102	53 - 130	
Fluorene	665	667.8		ug/Kg		100	46 - 130	
Hexachlorobenzene	665	698.6		ug/Kg		105	44 - 130	
Hexachlorocyclopentadiene	665	489.4		ug/Kg		74	10 - 130	
Hexachloroethane	665	590.1		ug/Kg		89	37 - 130	
Hexachlorobutadiene	665	630.4		ug/Kg		95	36 - 130	
Indeno[1,2,3-cd]pyrene	665	701.1		ug/Kg		105	35 - 146	
Isophorone	665	581.2		ug/Kg		87	39 - 130	
2-Methylnaphthalene	665	617.3		ug/Kg		93	43 - 130	
Naphthalene	665	621.0		ug/Kg		93	40 - 130	
2-Nitroaniline	665	601.3		ug/Kg		90	42 - 130	
3-Nitroaniline	665	608.7		ug/Kg		91	41 - 130	
4-Nitroaniline	665	572.1		ug/Kg		86	46 - 130	
Nitrobenzene	665	609.1		ug/Kg		92	42 - 130	
N-Nitrosodiphenylamine	665	716.5		ug/Kg		108	48 - 130	
N-Nitrosodi-n-propylamine	665	638.4		ug/Kg		96	36 - 130	
Phenanthrene	665	662.2		ug/Kg		100	51 - 130	
Pyrene	665	679.6		ug/Kg		102	53 - 130	
4-Chloro-3-methylphenol	665	702.2		ug/Kg		106	43 - 130	
2-Chlorophenol	665	614.9		ug/Kg		92	37 - 130	
2-Methylphenol	665	709.5		ug/Kg		107	30 - 130	
3 & 4 Methylphenol	665	648.2		ug/Kg		97	28 - 133	
2,4-Dichlorophenol	665	660.7		ug/Kg		99	38 - 130	
2,4-Dimethylphenol	665	616.5		ug/Kg		93	32 - 139	
4,6-Dinitro-2-methylphenol	1330	1325		ug/Kg		100	38 - 130	
2,4-Dinitrophenol	1330	1034		ug/Kg		78	15 - 130	
2-Nitrophenol	665	651.0		ug/Kg		98	38 - 130	
4-Nitrophenol	1330	881.9		ug/Kg		66	42 - 130	
Pentachlorophenol	1330	1024		ug/Kg		77	40 - 130	
Phenol	665	641.3		ug/Kg		96	30 - 130	
2,4,5-Trichlorophenol	665	646.7		ug/Kg		97	41 - 130	
2,4,6-Trichlorophenol	665	661.8		ug/Kg		99	39 - 130	
2,6-Dinitrotoluene	665	632.8		ug/Kg		95	44 - 130	
bis (2-Chloroisopropyl) ether	665	613.7		ug/Kg		92	38 - 130	

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

**Lab Sample ID: LCS 600-290642/2-A**

**Matrix: Solid**

**Analysis Batch: 290762**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 290642**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1'-Biphenyl	665	605.1		ug/Kg		91	40 - 130
Acetophenone	665	618.5		ug/Kg		93	36 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	95		53 - 134
Nitrobenzene-d5	86		10 - 155
2-Fluorophenol	87		25 - 132
2-Fluorobiphenyl	80		38 - 130
2,4,6-Tribromophenol	98		10 - 148
Phenol-d5 (Sur)	86		27 - 130

**Lab Sample ID: 600-202277-2 MS**

**Matrix: Solid**

**Analysis Batch: 290762**

**Client Sample ID: B1/MW1 @20-24**

**Prep Type: Total/NA**

**Prep Batch: 290642**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	1.96	U	905	652.7		ug/Kg	⊗	72	42 - 130
Acenaphthylene	1.36	U	905	579.8		ug/Kg	⊗	64	39 - 130
Anthracene	1.74	U	905	10.30	J N1	ug/Kg	⊗	1	51 - 130
Benzo[a]anthracene	1.87	U	905	615.5		ug/Kg	⊗	68	54 - 130
Benzo[b]fluoranthene	2.34	U	905	616.2		ug/Kg	⊗	68	41 - 139
Benzo[k]fluoranthene	2.02	U	905	600.8		ug/Kg	⊗	66	42 - 134
Benzo[g,h,i]perylene	6.89	U	905	626.9		ug/Kg	⊗	69	38 - 142
Benzo[a]pyrene	2.19	U	905	530.0		ug/Kg	⊗	59	44 - 131
Bis(2-chloroethoxy)methane	1.93	U	905	405.9		ug/Kg	⊗	45	39 - 130
Bis(2-chloroethyl)ether	2.24	U	905	596.7		ug/Kg	⊗	66	40 - 130
Bis(2-ethylhexyl) phthalate	10.0	J	905	653.2		ug/Kg	⊗	71	41 - 145
4-Bromophenyl phenyl ether	3.86	U	905	706.4		ug/Kg	⊗	78	46 - 130
Butyl benzyl phthalate	8.41	U	905	635.3		ug/Kg	⊗	70	48 - 141
4-Chloroaniline	7.91	U	905	94.40	N1	ug/Kg	⊗	10	32 - 130
2-Chloronaphthalene	1.64	U	905	562.2		ug/Kg	⊗	62	41 - 130
4-Chlorophenyl phenyl ether	2.45	U	905	666.5		ug/Kg	⊗	74	44 - 130
Carbazole	4.24	U	905	588.3		ug/Kg	⊗	65	49 - 131
Chrysene	1.39	U	905	646.2		ug/Kg	⊗	71	52 - 130
Di-n-butyl phthalate	3.52	U	905	633.1		ug/Kg	⊗	70	51 - 135
Dibenz(a,h)anthracene	4.93	U	905	617.6		ug/Kg	⊗	68	40 - 137
Dibenzofuran	2.42	U	905	657.8		ug/Kg	⊗	73	43 - 130
3,3'-Dichlorobenzidine	13.8	U	905	212.4		ug/Kg	⊗	23	13 - 146
Diethyl phthalate	11.5	U	905	591.7		ug/Kg	⊗	65	50 - 130
Dimethyl phthalate	6.64	U	905	633.6		ug/Kg	⊗	70	40 - 130
2,4-Dinitrotoluene	4.90	U	905	615.5		ug/Kg	⊗	68	45 - 130
Di-n-octyl phthalate	2.58	U	905	661.6		ug/Kg	⊗	73	38 - 153
Fluoranthene	4.23	U	905	651.3		ug/Kg	⊗	72	53 - 130
Fluorene	3.21	U	905	691.4		ug/Kg	⊗	76	46 - 130
Hexachlorobenzene	2.07	U	905	694.4		ug/Kg	⊗	77	44 - 130
Hexachlorocyclopentadiene	6.26	U	905	156.0		ug/Kg	⊗	17	10 - 130
Hexachloroethane	3.14	U	905	576.0		ug/Kg	⊗	64	37 - 130
Hexachlorobutadiene	2.61	U	905	673.2		ug/Kg	⊗	74	36 - 130

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

**Lab Sample ID: 600-202277-2 MS**

**Matrix: Solid**

**Analysis Batch: 290762**

**Client Sample ID: B1/MW1 @20-24**

**Prep Type: Total/NA**

**Prep Batch: 290642**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	Limits
Indeno[1,2,3-cd]pyrene	4.76	U	905	630.1		ug/Kg	⊗	70	35 - 146	
Isophorone	1.36	U	905	467.5		ug/Kg	⊗	52	39 - 130	
2-Methylnaphthalene	3.72	U	905	612.2		ug/Kg	⊗	68	43 - 130	
Naphthalene	1.83	U	905	615.6		ug/Kg	⊗	68	40 - 130	
2-Nitroaniline	6.64	U	905	597.1		ug/Kg	⊗	66	42 - 130	
3-Nitroaniline	9.71	U	905	266.8	N1	ug/Kg	⊗	29	41 - 130	
4-Nitroaniline	15.1	U	905	214.5	N1	ug/Kg	⊗	24	46 - 130	
Nitrobenzene	4.02	U	905	556.0		ug/Kg	⊗	61	42 - 130	
N-Nitrosodiphenylamine	2.57	U	905	580.0		ug/Kg	⊗	64	48 - 130	
N-Nitrosodi-n-propylamine	3.02	U	905	436.8		ug/Kg	⊗	48	36 - 130	
Phenanthrene	6.73	U	905	664.5		ug/Kg	⊗	73	51 - 130	
Pyrene	2.49	U	905	691.9		ug/Kg	⊗	76	53 - 130	
4-Chloro-3-methylphenol	21.2	U	905	644.5		ug/Kg	⊗	71	43 - 130	
2-Chlorophenol	2.68	U	905	466.0		ug/Kg	⊗	51	37 - 130	
2-Methylphenol	4.39	U	905	372.9		ug/Kg	⊗	41	30 - 130	
3 & 4 Methylphenol	3.79	U	905	402.8		ug/Kg	⊗	45	28 - 133	
2,4-Dichlorophenol	5.26	U	905	515.4		ug/Kg	⊗	57	38 - 130	
2,4-Dimethylphenol	11.7	U	905	377.1		ug/Kg	⊗	42	32 - 139	
4,6-Dinitro-2-methylphenol	6.77	U	1810	488.2	N1	ug/Kg	⊗	27	38 - 130	
2,4-Dinitrophenol	6.41	U	1810	273.0		ug/Kg	⊗	15	15 - 130	
2-Nitrophenol	5.28	U	905	525.4		ug/Kg	⊗	58	38 - 130	
4-Nitrophenol	6.90	U	1810	463.8	N1	ug/Kg	⊗	26	42 - 130	
Pentachlorophenol	5.43	U	1810	512.9	N1	ug/Kg	⊗	28	40 - 130	
Phenol	5.76	U	905	386.3		ug/Kg	⊗	43	30 - 130	
2,4,5-Trichlorophenol	13.6	U	905	602.9		ug/Kg	⊗	67	41 - 130	
2,4,6-Trichlorophenol	3.64	U	905	597.5		ug/Kg	⊗	66	39 - 130	
2,6-Dinitrotoluene	4.01	U	905	632.9		ug/Kg	⊗	70	44 - 130	
bis (2-Chloroisopropyl) ether	12.0	U	905	585.8		ug/Kg	⊗	65	38 - 130	
1,1'-Biphenyl	5.43	U	905	562.2		ug/Kg	⊗	62	40 - 130	
Acetophenone	4.48	U	905	576.5		ug/Kg	⊗	64	36 - 130	

Surrogate	MS %Recovery	MS Qualifier	Limits
Terphenyl-d14	65		53 - 134
Nitrobenzene-d5	58		10 - 155
2-Fluorophenol	48		25 - 132
2-Fluorobiphenyl	54		38 - 130
2,4,6-Tribromophenol	58		10 - 148
Phenol-d5 (Surr)	36		27 - 130

**Lab Sample ID: 600-202277-2 MSD**

**Matrix: Solid**

**Analysis Batch: 290762**

**Client Sample ID: B1/MW1 @20-24**

**Prep Type: Total/NA**

**Prep Batch: 290642**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.	RPD	RPD Limit
Acenaphthene	1.96	U	908	718.2		ug/Kg	⊗	79	42 - 130	10	30
Acenaphthylene	1.36	U	908	668.8		ug/Kg	⊗	74	39 - 130	14	30
Anthracene	1.74	U	908	719.4	N2	ug/Kg	⊗	79	51 - 130	194	30
Benz[a]anthracene	1.87	U	908	750.0		ug/Kg	⊗	83	54 - 130	20	30

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

**Lab Sample ID: 600-202277-2 MSD**

**Matrix: Solid**

**Analysis Batch: 290762**

**Client Sample ID: B1/MW1 @20-24**

**Prep Type: Total/NA**

**Prep Batch: 290642**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[b]fluoranthene	2.34	U	908	768.0		ug/Kg	⊗	85	41 - 139	22	30
Benzo[k]fluoranthene	2.02	U	908	760.8		ug/Kg	⊗	84	42 - 134	24	30
Benzo[g,h,i]perylene	6.89	U	908	794.2		ug/Kg	⊗	88	38 - 142	24	30
Benzo[a]pyrene	2.19	U	908	695.8		ug/Kg	⊗	77	44 - 131	27	30
Bis(2-chloroethoxy)methane	1.93	U	908	524.1		ug/Kg	⊗	58	39 - 130	25	30
Bis(2-chloroethyl)ether	2.24	U	908	654.7		ug/Kg	⊗	72	40 - 130	9	30
Bis(2-ethylhexyl) phthalate	10.0	J	908	801.2		ug/Kg	⊗	87	41 - 145	20	30
4-Bromophenyl phenyl ether	3.86	U	908	819.3		ug/Kg	⊗	90	46 - 130	15	30
Butyl benzyl phthalate	8.41	U	908	786.1		ug/Kg	⊗	87	48 - 141	21	30
4-Chloroaniline	7.91	U	908	187.6	N1 N2	ug/Kg	⊗	21	32 - 130	66	30
2-Chloronaphthalene	1.64	U	908	624.7		ug/Kg	⊗	69	41 - 130	11	30
4-Chlorophenyl phenyl ether	2.45	U	908	747.1		ug/Kg	⊗	82	44 - 130	11	30
Carbazole	4.24	U	908	696.7		ug/Kg	⊗	77	49 - 131	17	30
Chrysene	1.39	U	908	766.7		ug/Kg	⊗	84	52 - 130	17	30
Di-n-butyl phthalate	3.52	U	908	775.4		ug/Kg	⊗	85	51 - 135	20	30
Dibenz(a,h)anthracene	4.93	U	908	799.6		ug/Kg	⊗	88	40 - 137	26	30
Dibenzofuran	2.42	U	908	732.9		ug/Kg	⊗	81	43 - 130	11	30
3,3'-Dichlorobenzidine	13.8	U	908	352.7	N2	ug/Kg	⊗	39	13 - 146	50	30
Diethyl phthalate	11.5	U	908	711.5		ug/Kg	⊗	78	50 - 130	18	30
Dimethyl phthalate	6.64	U	908	734.5		ug/Kg	⊗	81	40 - 130	15	30
2,4-Dinitrotoluene	4.90	U	908	741.6		ug/Kg	⊗	82	45 - 130	19	30
Di-n-octyl phthalate	2.58	U	908	821.0		ug/Kg	⊗	90	38 - 153	21	30
Fluoranthene	4.23	U	908	789.8		ug/Kg	⊗	87	53 - 130	19	30
Fluorene	3.21	U	908	773.7		ug/Kg	⊗	85	46 - 130	11	30
Hexachlorobenzene	2.07	U	908	820.4		ug/Kg	⊗	90	44 - 130	17	30
Hexachlorocyclopentadiene	6.26	U	908	287.9	N2	ug/Kg	⊗	32	10 - 130	59	30
Hexachloroethane	3.14	U	908	610.4		ug/Kg	⊗	67	37 - 130	6	30
Hexachlorobutadiene	2.61	U	908	680.3		ug/Kg	⊗	75	36 - 130	1	30
Indeno[1,2,3-cd]pyrene	4.76	U	908	784.8		ug/Kg	⊗	86	35 - 146	22	30
Isophorone	1.36	U	908	502.1		ug/Kg	⊗	55	39 - 130	7	30
2-Methylnaphthalene	3.72	U	908	641.7		ug/Kg	⊗	71	43 - 130	5	30
Naphthalene	1.83	U	908	654.2		ug/Kg	⊗	72	40 - 130	6	30
2-Nitroaniline	6.64	U	908	688.3		ug/Kg	⊗	76	42 - 130	14	30
3-Nitroaniline	9.71	U	908	369.9	N2	ug/Kg	⊗	41	41 - 130	32	30
4-Nitroaniline	15.1	U	908	321.5	N1 N2	ug/Kg	⊗	35	46 - 130	40	30
Nitrobenzene	4.02	U	908	620.9		ug/Kg	⊗	68	42 - 130	11	30
N-Nitrosodiphenylamine	2.57	U	908	714.1		ug/Kg	⊗	79	48 - 130	21	30
N-Nitrosodi-n-propylamine	3.02	U	908	535.6		ug/Kg	⊗	59	36 - 130	20	30
Phenanthrene	6.73	U	908	761.7		ug/Kg	⊗	84	51 - 130	14	30
Pyrene	2.49	U	908	792.0		ug/Kg	⊗	87	53 - 130	13	30
4-Chloro-3-methylphenol	21.2	U	908	691.4		ug/Kg	⊗	76	43 - 130	7	30
2-Chlorophenol	2.68	U	908	624.3		ug/Kg	⊗	69	37 - 130	29	30
2-Methylphenol	4.39	U	908	499.8		ug/Kg	⊗	55	30 - 130	29	30
3 & 4 Methylphenol	3.79	U	908	507.2		ug/Kg	⊗	56	28 - 133	23	30
2,4-Dichlorophenol	5.26	U	908	578.0		ug/Kg	⊗	64	38 - 130	11	30
2,4-Dimethylphenol	11.7	U	908	322.5		ug/Kg	⊗	36	32 - 139	16	30
4,6-Dinitro-2-methylphenol	6.77	U	1820	683.6	N2	ug/Kg	⊗	38	38 - 130	33	30
2,4-Dinitrophenol	6.41	U	1820	323.1		ug/Kg	⊗	18	15 - 130	17	30
2-Nitrophenol	5.28	U	908	640.4		ug/Kg	⊗	71	38 - 130	20	30

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

**Lab Sample ID: 600-202277-2 MSD**

**Matrix: Solid**

**Analysis Batch: 290762**

**Client Sample ID: B1/MW1 @20-24**

**Prep Type: Total/NA**

**Prep Batch: 290642**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	RPD Limits	RPD	Limit
4-Nitrophenol	6.90	U	1820	276.1	N1 N2	ug/Kg	⊗	15	42 - 130	51	30
Pentachlorophenol	5.43	U	1820	833.5	N2	ug/Kg	⊗	46	40 - 130	48	30
Phenol	5.76	U	908	518.2		ug/Kg	⊗	57	30 - 130	29	30
2,4,5-Trichlorophenol	13.6	U	908	710.9		ug/Kg	⊗	78	41 - 130	16	30
2,4,6-Trichlorophenol	3.64	U	908	683.8		ug/Kg	⊗	75	39 - 130	13	30
2,6-Dinitrotoluene	4.01	U	908	751.8		ug/Kg	⊗	83	44 - 130	17	30
bis (2-Chloroisopropyl) ether	12.0	U	908	646.1		ug/Kg	⊗	71	38 - 130	10	30
1,1'-Biphenyl	5.43	U	908	627.9		ug/Kg	⊗	69	40 - 130	11	30
Acetophenone	4.48	U	908	651.1		ug/Kg	⊗	72	36 - 130	12	30

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
Terphenyl-d14	76		53 - 134
Nitrobenzene-d5	62		10 - 155
2-Fluorophenol	64		25 - 132
2-Fluorobiphenyl	62		38 - 130
2,4,6-Tribromophenol	75		10 - 148
Phenol-d5 (Surr)	50		27 - 130

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

**Lab Sample ID: MB 600-290303/1-A**

**Matrix: Solid**

**Analysis Batch: 290263**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 290303**

Analyte	MB	MB	D	Prepared	Analyzed	Dil Fac		
	Result	Qualifier						
C6-C12	3.80	U	10.0	3.80	mg/Kg	03/16/20 11:18	03/16/20 14:35	1
>C12-C28	4.06	U	10.0	4.06	mg/Kg	03/16/20 11:18	03/16/20 14:35	1
>C28-C35	4.06	U	10.0	4.06	mg/Kg	03/16/20 11:18	03/16/20 14:35	1
C6-C35	3.80	U	10.0	3.80	mg/Kg	03/16/20 11:18	03/16/20 14:35	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
o-Terphenyl	110		70 - 130	03/16/20 11:18	03/16/20 14:35	1

**Lab Sample ID: LCS 600-290303/2-A**

**Matrix: Solid**

**Analysis Batch: 290263**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 290303**

Analyte	Spike	LCS	LCS	D	%Rec.	Limits
	Added	Result	Qualifier			
C6-C12	252	201.7		mg/Kg	80	75 - 125
>C12-C28	250	260.1		mg/Kg	104	75 - 125
C6-C35	502	461.8		mg/Kg	92	75 - 125

Surrogate	LCS	LCS	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
o-Terphenyl	90		70 - 130	03/16/20 11:18	03/16/20 14:35	1

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# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Lab Sample ID: LCSD 600-290303/3-A**

**Matrix: Solid**

**Analysis Batch: 290263**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 290303**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C12	252	196.7		mg/Kg		78	75 - 125	3	20
>C12-C28	250	275.8		mg/Kg		110	75 - 125	6	20
C6-C35	502	472.5		mg/Kg		94	75 - 125	2	20
<b>Surrogate</b>		<b>LCSD %Recovery</b>	<b>LCSD Qualifier</b>	<b>Limits</b>					
<i>o-Terphenyl</i>	100			70 - 130					

## Method: 9056A - Anions, Ion Chromatography

**Lab Sample ID: 600-202484-A-1 MS**

**Matrix: Solid**

**Analysis Batch: 291209**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	155	E b	10.0	161.6	E 4	mg/Kg		65	80 - 120

**Lab Sample ID: 600-202484-A-1 MSD**

**Matrix: Solid**

**Analysis Batch: 291209**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	155	E b	10.0	148.7	E 4	mg/Kg		-64	80 - 120	8	20

**Lab Sample ID: MB 600-291013/18-A**

**Matrix: Solid**

**Analysis Batch: 291045**

**Client Sample ID: Method Blank**

**Prep Type: Soluble**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.534	U	4.00	0.534	mg/Kg			03/24/20 12:47	1

**Lab Sample ID: LCS 600-291013/19-A**

**Matrix: Solid**

**Analysis Batch: 291045**

**Client Sample ID: Lab Control Sample**

**Prep Type: Soluble**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	200	207.1		mg/Kg		104	90 - 110

**Lab Sample ID: 600-201940-A-1-O MS**

**Matrix: Solid**

**Analysis Batch: 291045**

**Client Sample ID: Matrix Spike**

**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	183		204	388.3		mg/Kg		101	80 - 120

**Lab Sample ID: 600-201940-A-1-O MSD**

**Matrix: Solid**

**Analysis Batch: 291045**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Soluble**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	183		204	409.5		mg/Kg		111	80 - 120	5	20

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Method: 9056A - Anions, Ion Chromatography

**Lab Sample ID:** MB 600-291013/18-A

**Matrix:** Solid

**Analysis Batch:** 291209

**Client Sample ID:** Method Blank  
**Prep Type:** Soluble

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.894	J	4.00	0.534	mg/Kg			03/25/20 17:08	1

**Lab Sample ID:** LCS 600-291013/19-A

**Matrix:** Solid

**Analysis Batch:** 291209

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
Chloride	200	201.4		mg/Kg		101	90 - 110

**Lab Sample ID:** 600-202277-4 MS

**Matrix:** Solid

**Analysis Batch:** 291209

**Client Sample ID:** B2 @12.5-15  
**Prep Type:** Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	Limits
Chloride	7.18	J b	239	246.9		mg/Kg	⊗	100	80 - 120

**Lab Sample ID:** 600-202277-4 MSD

**Matrix:** Solid

**Analysis Batch:** 291209

**Client Sample ID:** B2 @12.5-15  
**Prep Type:** Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	RPD	RPD	Limit
Chloride	7.18	J b	239	270.8		mg/Kg	⊗	110	80 - 120	9	20

## Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry

**Lab Sample ID:** MB 600-290611/1-A

**Matrix:** Solid

**Analysis Batch:** 290802

**Client Sample ID:** Method Blank  
**Prep Type:** Total/NA  
**Prep Batch:** 290611

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.105	U	0.500	0.105	mg/Kg		03/18/20 16:33	03/20/20 12:21	1
Chromium	0.0506	U	0.500	0.0506	mg/Kg		03/18/20 16:33	03/20/20 12:21	1
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		03/18/20 16:33	03/20/20 12:21	1
Barium	0.0300	U	1.00	0.0300	mg/Kg		03/18/20 16:33	03/20/20 12:21	1
Arsenic	0.218	U	1.00	0.218	mg/Kg		03/18/20 16:33	03/20/20 12:21	1
Silver	0.119	U	0.400	0.119	mg/Kg		03/18/20 16:33	03/20/20 12:21	1
Selenium	0.259	U	2.00	0.259	mg/Kg		03/18/20 16:33	03/20/20 12:21	1

**Lab Sample ID:** LCSSRM 600-290611/2-A

**Matrix:** Solid

**Analysis Batch:** 290802

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Total/NA  
**Prep Batch:** 290611

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec.	Limits
Lead	148	127.3		mg/Kg		86.0	61.0 - 110.
Chromium	189	156.5		mg/Kg		82.8	59.8 - 110.
Cadmium	182	146.4		mg/Kg		80.5	65.4 - 109.
Barium	299	219.8		mg/Kg		73.5	59.2 - 110.

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry (Continued)

**Lab Sample ID: LCSSRM 600-290611/2-A**

**Matrix: Solid**

**Analysis Batch: 290802**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 290611**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	Limits
Arsenic	319	271.5		mg/Kg		85.1	60.2 - 111.
Silver	34.8	28.01		mg/Kg		80.5	58.3 - 112.
Selenium	322	270.3		mg/Kg		83.9	57.8 - 109.

**Lab Sample ID: 600-202277-1 MS**

**Matrix: Solid**

**Analysis Batch: 290802**

**Client Sample ID: B1/MW1 @0-2.5**

**Prep Type: Total/NA**

**Prep Batch: 290611**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Chromium	11.5		57.3	68.12		mg/Kg	⊗	99	75 - 125
Cadmium	2.21		57.3	59.17		mg/Kg	⊗	99	75 - 125
Arsenic	4.63		57.3	61.81		mg/Kg	⊗	100	75 - 125
Silver	0.134	U	14.3	15.45		mg/Kg	⊗	108	75 - 125
Selenium	0.822	J	57.3	55.77		mg/Kg	⊗	96	75 - 125

**Lab Sample ID: 600-202277-1 MS**

**Matrix: Solid**

**Analysis Batch: 290944**

**Client Sample ID: B1/MW1 @0-2.5**

**Prep Type: Total/NA**

**Prep Batch: 290611**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	19.2		57.3	100.9	N1	mg/Kg	⊗	143	75 - 125
Barium	2970		57.3	3308	4	mg/Kg	⊗	598	75 - 125

**Lab Sample ID: 600-202277-1 DU**

**Matrix: Solid**

**Analysis Batch: 290802**

**Client Sample ID: B1/MW1 @0-2.5**

**Prep Type: Total/NA**

**Prep Batch: 290611**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D		RPD	Limit
Chromium	11.5			10.83		mg/Kg	⊗		6	20
Cadmium	2.21			2.638		mg/Kg	⊗		18	20
Arsenic	4.63			4.785		mg/Kg	⊗		3	20
Silver	0.134	U		0.140	U	mg/Kg	⊗		NC	20
Selenium	0.822	J		0.306	U	mg/Kg	⊗		NC	20

**Lab Sample ID: 600-202277-1 DU**

**Matrix: Solid**

**Analysis Batch: 290944**

**Client Sample ID: B1/MW1 @0-2.5**

**Prep Type: Total/NA**

**Prep Batch: 290611**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D		RPD	Limit
Lead	19.2			33.58	F	mg/Kg	⊗		54	20
Barium	2970			3753	F	mg/Kg	⊗		23	20

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Method: 7471A - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

**Lab Sample ID:** MB 600-290562/7-B

**Matrix:** Solid

**Analysis Batch:** 290603

**Client Sample ID:** Method Blank

**Prep Type:** Total/NA

**Prep Batch:** 290562

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	3.25	U	15.5	3.25	ug/Kg	D	03/18/20 10:48	03/18/20 14:33	1

**Lab Sample ID:** LCS 600-290562/8-B

**Matrix:** Solid

**Analysis Batch:** 290603

**Client Sample ID:** Lab Control Sample

**Prep Type:** Total/NA

**Prep Batch:** 290562

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
Mercury	231	227.5		ug/Kg	D	99	70 - 130

**Lab Sample ID:** 600-202349-A-5-F MS

**Matrix:** Solid

**Analysis Batch:** 290603

**Client Sample ID:** Matrix Spike

**Prep Type:** Total/NA

**Prep Batch:** 290562

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	Limits
Mercury	20.9		266	231.4		ug/Kg	D	79	75 - 125

**Lab Sample ID:** 600-202349-A-5-E DU

**Matrix:** Solid

**Analysis Batch:** 290603

**Client Sample ID:** Duplicate

**Prep Type:** Total/NA

**Prep Batch:** 290562

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	20.9			14.45	J F	ug/Kg	D	37	20

**Lab Sample ID:** MB 600-290810/7-B

**Matrix:** Solid

**Analysis Batch:** 290940

**Client Sample ID:** Method Blank

**Prep Type:** Total/NA

**Prep Batch:** 290810

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	3.41	U	16.2	3.41	ug/Kg	D	03/20/20 11:20	03/23/20 10:51	1

**Lab Sample ID:** LCS 600-290810/8-B

**Matrix:** Solid

**Analysis Batch:** 290940

**Client Sample ID:** Lab Control Sample

**Prep Type:** Total/NA

**Prep Batch:** 290810

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
Mercury	224	226.7		ug/Kg	D	101	70 - 130

**Lab Sample ID:** 600-202277-3 MS

**Matrix:** Solid

**Analysis Batch:** 290940

**Client Sample ID:** B2 @ 0-2.5

**Prep Type:** Total/NA

**Prep Batch:** 290810

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	Limits
Mercury	12.5	J	302	301.8		ug/Kg	D	96	75 - 125

**Lab Sample ID:** 600-202277-3 DU

**Matrix:** Solid

**Analysis Batch:** 290940

**Client Sample ID:** B2 @ 0-2.5

**Prep Type:** Total/NA

**Prep Batch:** 290810

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	12.5	J		8.348	J F	ug/Kg	D	40	20

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Method: 2540B - Percent Moisture

Lab Sample ID: 600-202277-1 DU

Matrix: Solid

Analysis Batch: 290401

Client Sample ID: B1/MW1 @0-2.5  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Percent Moisture	17.7		17.6		%		0.5	20
Percent Solids	82.3		82.4		%		0.1	20

# Unadjusted Detection Limits

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

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

Prep: 5035

Analyte	MQL	MDL	Units
1,1,1-Trichloroethane	5.00	0.740	ug/Kg
1,1,2,2-Tetrachloroethane	5.00	0.870	ug/Kg
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	1.44	ug/Kg
1,1,2-Trichloroethane	5.00	0.730	ug/Kg
1,1-Dichloroethane	5.00	0.870	ug/Kg
1,1-Dichloroethene	5.00	1.22	ug/Kg
1,2-Dibromo-3-Chloropropane	5.00	2.44	ug/Kg
1,2-Dibromoethane	5.00	1.02	ug/Kg
1,2-Dichloroethane	5.00	0.900	ug/Kg
1,2-Dichloropropane	5.00	0.710	ug/Kg
2-Butanone (MEK)	10.0	1.90	ug/Kg
2-Hexanone	10.0	1.01	ug/Kg
Acetone	10.0	1.66	ug/Kg
Benzene	5.00	0.630	ug/Kg
Bromodichloromethane	5.00	0.660	ug/Kg
Bromoform	5.00	1.37	ug/Kg
Bromomethane	10.0	0.830	ug/Kg
Carbon disulfide	10.0	0.550	ug/Kg
Carbon tetrachloride	5.00	1.13	ug/Kg
Chlorobenzene	5.00	0.960	ug/Kg
Chloroethane	10.0	1.40	ug/Kg
Chloroform	10.0	0.660	ug/Kg
Chloromethane	10.0	1.66	ug/Kg
cis-1,2-Dichloroethene	5.00	0.830	ug/Kg
cis-1,3-Dichloropropene	5.00	0.540	ug/Kg
Cyclohexane	5.00	1.92	ug/Kg
Dibromochloromethane	5.00	0.940	ug/Kg
Dichlorodifluoromethane	5.00	1.54	ug/Kg
Ethylbenzene	5.00	1.02	ug/Kg
Isopropylbenzene	5.00	0.920	ug/Kg
Methyl tert-butyl ether	5.00	1.83	ug/Kg
Methylene Chloride	10.0	2.19	ug/Kg
m-Xylene & p-Xylene	5.00	1.52	ug/Kg
o-Xylene	5.00	1.13	ug/Kg
Styrene	5.00	0.710	ug/Kg
Tetrachloroethene	5.00	0.710	ug/Kg
Toluene	5.00	1.38	ug/Kg
trans-1,2-Dichloroethene	5.00	1.14	ug/Kg
trans-1,3-Dichloropropene	5.00	0.580	ug/Kg
Trichloroethene	5.00	1.40	ug/Kg
Vinyl acetate	10.0	0.930	ug/Kg
Vinyl chloride	10.0	0.900	ug/Kg
Xylenes, Total	5.00	1.13	ug/Kg

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Prep: 3546

Analyte	MQL	MDL	Units
1,1'-Biphenyl	33.3	4.00	ug/Kg
2,4,5-Trichlorophenol	33.3	10.0	ug/Kg
2,4,6-Trichlorophenol	33.3	2.68	ug/Kg
2,4-Dichlorophenol	33.3	3.87	ug/Kg

Eurofins TestAmerica, Houston

# Unadjusted Detection Limits

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Prep: 3546

Analyte	MQL	MDL	Units
2,4-Dimethylphenol	33.3	8.58	ug/Kg
2,4-Dinitrophenol	100	4.72	ug/Kg
2,4-Dinitrotoluene	33.3	3.61	ug/Kg
2,6-Dinitrotoluene	33.3	2.95	ug/Kg
2-Chloronaphthalene	33.3	1.21	ug/Kg
2-Chlorophenol	33.3	1.97	ug/Kg
2-Methylnaphthalene	33.3	2.74	ug/Kg
2-Methylphenol	33.3	3.23	ug/Kg
2-Nitroaniline	33.3	4.89	ug/Kg
2-Nitrophenol	33.3	3.89	ug/Kg
3 & 4 Methylphenol	33.3	2.79	ug/Kg
3,3'-Dichlorobenzidine	33.3	10.2	ug/Kg
3-Nitroaniline	33.3	7.15	ug/Kg
4,6-Dinitro-2-methylphenol	170	4.98	ug/Kg
4-Bromophenyl phenyl ether	33.3	2.84	ug/Kg
4-Chloro-3-methylphenol	33.3	15.6	ug/Kg
4-Chloroaniline	33.3	5.82	ug/Kg
4-Chlorophenyl phenyl ether	33.3	1.80	ug/Kg
4-Nitroaniline	33.3	11.2	ug/Kg
4-Nitrophenol	200	5.08	ug/Kg
Acenaphthene	33.3	1.44	ug/Kg
Acenaphthylene	33.3	1.00	ug/Kg
Acetophenone	33.3	3.30	ug/Kg
Anthracene	33.3	1.28	ug/Kg
Benzo[a]anthracene	33.3	1.38	ug/Kg
Benzo[a]pyrene	33.3	1.61	ug/Kg
Benzo[b]fluoranthene	33.3	1.72	ug/Kg
Benzo[g,h,i]perylene	33.3	5.07	ug/Kg
Benzo[k]fluoranthene	33.3	1.49	ug/Kg
bis (2-Chloroisopropyl) ether	33.3	8.84	ug/Kg
Bis(2-chloroethoxy)methane	33.3	1.42	ug/Kg
Bis(2-chloroethyl)ether	33.3	1.65	ug/Kg
Bis(2-ethylhexyl) phthalate	33.3	5.37	ug/Kg
Butyl benzyl phthalate	66.7	6.19	ug/Kg
Carbazole	33.3	3.12	ug/Kg
Chrysene	33.3	1.02	ug/Kg
Dibenz(a,h)anthracene	33.3	3.63	ug/Kg
Dibenzofuran	33.3	1.78	ug/Kg
Diethyl phthalate	66.7	8.43	ug/Kg
Dimethyl phthalate	66.7	4.89	ug/Kg
Di-n-butyl phthalate	66.7	2.59	ug/Kg
Di-n-octyl phthalate	66.7	1.90	ug/Kg
Fluoranthene	33.3	3.11	ug/Kg
Fluorene	33.3	2.36	ug/Kg
Hexachlorobenzene	33.3	1.52	ug/Kg
Hexachlorobutadiene	33.3	1.92	ug/Kg
Hexachlorocyclopentadiene	33.3	4.61	ug/Kg
Hexachloroethane	33.3	2.31	ug/Kg
Indeno[1,2,3-cd]pyrene	33.3	3.50	ug/Kg
Isophorone	33.3	1.00	ug/Kg
Naphthalene	33.3	1.35	ug/Kg
Nitrobenzene	33.3	2.96	ug/Kg

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# Unadjusted Detection Limits

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Prep: 3546

Analyte	MQL	MDL	Units
N-Nitrosodi-n-propylamine	33.3	2.22	ug/Kg
N-Nitrosodiphenylamine	33.3	1.89	ug/Kg
Pentachlorophenol	167	4.00	ug/Kg
Phenanthrene	33.3	4.95	ug/Kg
Phenol	33.3	4.24	ug/Kg
Pyrene	33.3	1.83	ug/Kg

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Prep: 5035

Analyte	MQL	MDL	Units
>C12-C28	10.0	4.06	mg/Kg
>C28-C35	10.0	4.06	mg/Kg
C6-C12	10.0	3.80	mg/Kg
C6-C35	10.0	3.80	mg/Kg

## Method: 9056A - Anions, Ion Chromatography - Soluble

Leach: DI Leach

Analyte	MQL	MDL	Units
Chloride	4.00	0.534	mg/Kg

## Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry

Prep: 3050B

Analyte	MQL	MDL	Units
Arsenic	1.00	0.218	mg/Kg
Barium	1.00	0.0300	mg/Kg
Cadmium	0.250	0.0256	mg/Kg
Chromium	0.500	0.0506	mg/Kg
Lead	0.500	0.105	mg/Kg
Selenium	2.00	0.259	mg/Kg
Silver	0.400	0.119	mg/Kg

## Method: 7471A - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Prep: 7471A

Analyte	MQL	MDL	Units
Mercury	17.0	3.58	ug/Kg

## General Chemistry

Analyte	MQL	MDL	Units
Percent Moisture	1.0	1.0	%
Percent Solids	1.0	1.0	%

# QC Association Summary

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## GC/MS VOA

### Analysis Batch: 290267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-1	B1/MW1 @0-2.5	Total/NA	Solid	8260B	290300
600-202277-2	B1/MW1 @20-24	Total/NA	Solid	8260B	290300
MB 600-290267/6	Method Blank	Total/NA	Solid	8260B	
LCS 600-290267/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 600-290267/4	Lab Control Sample Dup	Total/NA	Solid	8260B	

### Prep Batch: 290300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-1	B1/MW1 @0-2.5	Total/NA	Solid	5035	
600-202277-2	B1/MW1 @20-24	Total/NA	Solid	5035	
600-202277-3	B2 @ 0-2.5	Total/NA	Solid	5035	
600-202277-4	B2 @12.5-15	Total/NA	Solid	5035	
600-202277-5	B3 @0-2.5	Total/NA	Solid	5035	
600-202277-6	B3 @12.5-16	Total/NA	Solid	5035	
600-202277-7	B4/MW2 @0-2.5	Total/NA	Solid	5035	
600-202277-8	B4/MW2 @30-35	Total/NA	Solid	5035	
600-202277-8	B4/MW2 @30-35	Total/NA	Solid	5035	
600-202277-9	B5 @0-2.5	Total/NA	Solid	5035	
600-202277-10	B5 @12.5-15	Total/NA	Solid	5035	

### Analysis Batch: 290392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-3	B2 @ 0-2.5	Total/NA	Solid	8260B	290300
MB 600-290392/6	Method Blank	Total/NA	Solid	8260B	
LCS 600-290392/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 600-290392/4	Lab Control Sample Dup	Total/NA	Solid	8260B	

### Analysis Batch: 290524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-4	B2 @12.5-15	Total/NA	Solid	8260B	290300
MB 600-290524/6	Method Blank	Total/NA	Solid	8260B	
LCS 600-290524/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 600-290524/4	Lab Control Sample Dup	Total/NA	Solid	8260B	

### Analysis Batch: 290651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-5	B3 @0-2.5	Total/NA	Solid	8260B	290300
600-202277-6	B3 @12.5-16	Total/NA	Solid	8260B	290300
600-202277-7	B4/MW2 @0-2.5	Total/NA	Solid	8260B	290300
600-202277-8	B4/MW2 @30-35	Total/NA	Solid	8260B	290300
600-202277-9	B5 @0-2.5	Total/NA	Solid	8260B	290300
600-202277-10	B5 @12.5-15	Total/NA	Solid	8260B	290300
MB 600-290651/6	Method Blank	Total/NA	Solid	8260B	
LCS 600-290651/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 600-290651/4	Lab Control Sample Dup	Total/NA	Solid	8260B	

### Analysis Batch: 290776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-8	B4/MW2 @30-35	Total/NA	Solid	8260B	290300
MB 600-290776/6	Method Blank	Total/NA	Solid	8260B	
LCS 600-290776/3	Lab Control Sample	Total/NA	Solid	8260B	

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# QC Association Summary

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## GC/MS VOA (Continued)

### Analysis Batch: 290776 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 600-290776/4	Lab Control Sample Dup	Total/NA	Solid	8260B	

## GC/MS Semi VOA

### Prep Batch: 290642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-1	B1/MW1 @0-2.5	Total/NA	Solid	3546	
600-202277-2	B1/MW1 @20-24	Total/NA	Solid	3546	
600-202277-3	B2 @ 0-2.5	Total/NA	Solid	3546	
600-202277-4	B2 @12.5-15	Total/NA	Solid	3546	
600-202277-5	B3 @0-2.5	Total/NA	Solid	3546	
600-202277-6	B3 @12.5-16	Total/NA	Solid	3546	
600-202277-7	B4/MW2 @0-2.5	Total/NA	Solid	3546	
600-202277-8	B4/MW2 @30-35	Total/NA	Solid	3546	
600-202277-9	B5 @0-2.5	Total/NA	Solid	3546	
600-202277-10	B5 @12.5-15	Total/NA	Solid	3546	
MB 600-290642/1-A	Method Blank	Total/NA	Solid	3546	
LCS 600-290642/2-A	Lab Control Sample	Total/NA	Solid	3546	
600-202277-2 MS	B1/MW1 @20-24	Total/NA	Solid	3546	
600-202277-2 MSD	B1/MW1 @20-24	Total/NA	Solid	3546	

### Analysis Batch: 290762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-1	B1/MW1 @0-2.5	Total/NA	Solid	8270C LL	290642
600-202277-2	B1/MW1 @20-24	Total/NA	Solid	8270C LL	290642
600-202277-3	B2 @ 0-2.5	Total/NA	Solid	8270C LL	290642
600-202277-4	B2 @12.5-15	Total/NA	Solid	8270C LL	290642
600-202277-5	B3 @0-2.5	Total/NA	Solid	8270C LL	290642
600-202277-6	B3 @12.5-16	Total/NA	Solid	8270C LL	290642
600-202277-7	B4/MW2 @0-2.5	Total/NA	Solid	8270C LL	290642
600-202277-8	B4/MW2 @30-35	Total/NA	Solid	8270C LL	290642
600-202277-9	B5 @0-2.5	Total/NA	Solid	8270C LL	290642
600-202277-10	B5 @12.5-15	Total/NA	Solid	8270C LL	290642
MB 600-290642/1-A	Method Blank	Total/NA	Solid	8270C LL	290642
LCS 600-290642/2-A	Lab Control Sample	Total/NA	Solid	8270C LL	290642
600-202277-2 MS	B1/MW1 @20-24	Total/NA	Solid	8270C LL	290642
600-202277-2 MSD	B1/MW1 @20-24	Total/NA	Solid	8270C LL	290642

## GC Semi VOA

### Analysis Batch: 290263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-1	B1/MW1 @0-2.5	Total/NA	Solid	TX 1005	290303
600-202277-2	B1/MW1 @20-24	Total/NA	Solid	TX 1005	290303
600-202277-3	B2 @ 0-2.5	Total/NA	Solid	TX 1005	290303
600-202277-4	B2 @12.5-15	Total/NA	Solid	TX 1005	290303
600-202277-5	B3 @0-2.5	Total/NA	Solid	TX 1005	290303
600-202277-6	B3 @12.5-16	Total/NA	Solid	TX 1005	290303
600-202277-7	B4/MW2 @0-2.5	Total/NA	Solid	TX 1005	290303
600-202277-8	B4/MW2 @30-35	Total/NA	Solid	TX 1005	290303
600-202277-9	B5 @0-2.5	Total/NA	Solid	TX 1005	290303
600-202277-10	B5 @12.5-15	Total/NA	Solid	TX 1005	290303

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# QC Association Summary

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## GC Semi VOA (Continued)

### Analysis Batch: 290263 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 600-290303/1-A	Method Blank	Total/NA	Solid	TX 1005	290303
LCS 600-290303/2-A	Lab Control Sample	Total/NA	Solid	TX 1005	290303
LCSD 600-290303/3-A	Lab Control Sample Dup	Total/NA	Solid	TX 1005	290303

### Prep Batch: 290303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-1	B1/MW1 @0-2.5	Total/NA	Solid	TX_1005_S_Pre	290317
600-202277-2	B1/MW1 @20-24	Total/NA	Solid	TX_1005_S_Pre	290317
600-202277-3	B2 @ 0-2.5	Total/NA	Solid	TX_1005_S_Pre	290317
600-202277-4	B2 @12.5-15	Total/NA	Solid	TX_1005_S_Pre	290317
600-202277-5	B3 @0-2.5	Total/NA	Solid	TX_1005_S_Pre	290317
600-202277-6	B3 @12.5-16	Total/NA	Solid	TX_1005_S_Pre	290317
600-202277-7	B4/MW2 @0-2.5	Total/NA	Solid	TX_1005_S_Pre	290317
600-202277-8	B4/MW2 @30-35	Total/NA	Solid	TX_1005_S_Pre	290317
600-202277-9	B5 @0-2.5	Total/NA	Solid	TX_1005_S_Pre	290317
600-202277-10	B5 @12.5-15	Total/NA	Solid	TX_1005_S_Pre	290317
MB 600-290303/1-A	Method Blank	Total/NA	Solid	TX_1005_S_Pre	290317
LCS 600-290303/2-A	Lab Control Sample	Total/NA	Solid	TX_1005_S_Pre	290317
LCSD 600-290303/3-A	Lab Control Sample Dup	Total/NA	Solid	TX_1005_S_Pre	290317

### Prep Batch: 290317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-1	B1/MW1 @0-2.5	Total/NA	Solid	5035	
600-202277-2	B1/MW1 @20-24	Total/NA	Solid	5035	
600-202277-3	B2 @ 0-2.5	Total/NA	Solid	5035	
600-202277-4	B2 @12.5-15	Total/NA	Solid	5035	
600-202277-5	B3 @0-2.5	Total/NA	Solid	5035	
600-202277-6	B3 @12.5-16	Total/NA	Solid	5035	
600-202277-7	B4/MW2 @0-2.5	Total/NA	Solid	5035	
600-202277-8	B4/MW2 @30-35	Total/NA	Solid	5035	
600-202277-9	B5 @0-2.5	Total/NA	Solid	5035	
600-202277-10	B5 @12.5-15	Total/NA	Solid	5035	

## HPLC/IC

### Leach Batch: 291013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-1	B1/MW1 @0-2.5	Soluble	Solid	DI Leach	
600-202277-2	B1/MW1 @20-24	Soluble	Solid	DI Leach	
600-202277-3	B2 @ 0-2.5	Soluble	Solid	DI Leach	
600-202277-4	B2 @12.5-15	Soluble	Solid	DI Leach	
600-202277-5	B3 @0-2.5	Soluble	Solid	DI Leach	

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# QC Association Summary

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## HPLC/IC (Continued)

### Leach Batch: 291013 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-6	B3 @12.5-16	Soluble	Solid	DI Leach	
600-202277-7	B4/MW2 @0-2.5	Soluble	Solid	DI Leach	
600-202277-8	B4/MW2 @30-35	Soluble	Solid	DI Leach	
600-202277-9	B5 @0-2.5	Soluble	Solid	DI Leach	
600-202277-10	B5 @12.5-15	Soluble	Solid	DI Leach	
MB 600-291013/18-A	Method Blank	Soluble	Solid	DI Leach	
LCS 600-291013/19-A	Lab Control Sample	Soluble	Solid	DI Leach	
600-201940-A-1-O MS	Matrix Spike	Soluble	Solid	DI Leach	
600-201940-A-1-O MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
600-202277-4 MS	B2 @12.5-15	Soluble	Solid	DI Leach	
600-202277-4 MSD	B2 @12.5-15	Soluble	Solid	DI Leach	

### Analysis Batch: 291045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-1	B1/MW1 @0-2.5	Soluble	Solid	9056A	291013
600-202277-2	B1/MW1 @20-24	Soluble	Solid	9056A	291013
600-202277-3	B2 @ 0-2.5	Soluble	Solid	9056A	291013
MB 600-291013/18-A	Method Blank	Soluble	Solid	9056A	291013
LCS 600-291013/19-A	Lab Control Sample	Soluble	Solid	9056A	291013
600-201940-A-1-O MS	Matrix Spike	Soluble	Solid	9056A	291013
600-201940-A-1-O MSD	Matrix Spike Duplicate	Soluble	Solid	9056A	291013

### Analysis Batch: 291209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-4	B2 @12.5-15	Soluble	Solid	9056A	291013
600-202277-5	B3 @0-2.5	Soluble	Solid	9056A	291013
600-202277-6	B3 @12.5-16	Soluble	Solid	9056A	291013
600-202277-7	B4/MW2 @0-2.5	Soluble	Solid	9056A	291013
600-202277-8	B4/MW2 @30-35	Soluble	Solid	9056A	291013
600-202277-9	B5 @0-2.5	Soluble	Solid	9056A	291013
600-202277-10	B5 @12.5-15	Soluble	Solid	9056A	291013
MB 600-291013/18-A	Method Blank	Soluble	Solid	9056A	291013
LCS 600-291013/19-A	Lab Control Sample	Soluble	Solid	9056A	291013
600-202277-4 MS	B2 @12.5-15	Soluble	Solid	9056A	291013
600-202277-4 MSD	B2 @12.5-15	Soluble	Solid	9056A	291013
600-202484-A-1 MS	Matrix Spike	Total/NA	Solid	9056A	
600-202484-A-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	9056A	

## Metals

### Prep Batch: 290562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-1	B1/MW1 @0-2.5	Total/NA	Solid	7471A	
600-202277-2	B1/MW1 @20-24	Total/NA	Solid	7471A	
MB 600-290562/7-B	Method Blank	Total/NA	Solid	7471A	
LCS 600-290562/8-B	Lab Control Sample	Total/NA	Solid	7471A	
600-202349-A-5-F MS	Matrix Spike	Total/NA	Solid	7471A	
600-202349-A-5-E DU	Duplicate	Total/NA	Solid	7471A	

# QC Association Summary

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Metals

### Analysis Batch: 290603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-1	B1/MW1 @0-2.5	Total/NA	Solid	7471A	290562
600-202277-2	B1/MW1 @20-24	Total/NA	Solid	7471A	290562
MB 600-290562/7-B	Method Blank	Total/NA	Solid	7471A	290562
LCS 600-290562/8-B	Lab Control Sample	Total/NA	Solid	7471A	290562
600-202349-A-5-F MS	Matrix Spike	Total/NA	Solid	7471A	290562
600-202349-A-5-E DU	Duplicate	Total/NA	Solid	7471A	290562

### Prep Batch: 290611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-1	B1/MW1 @0-2.5	Total/NA	Solid	3050B	9
600-202277-2	B1/MW1 @20-24	Total/NA	Solid	3050B	10
600-202277-3	B2 @ 0-2.5	Total/NA	Solid	3050B	11
600-202277-4	B2 @12.5-15	Total/NA	Solid	3050B	12
600-202277-5	B3 @0-2.5	Total/NA	Solid	3050B	13
600-202277-6	B3 @12.5-16	Total/NA	Solid	3050B	14
600-202277-7	B4/MW2 @0-2.5	Total/NA	Solid	3050B	15
600-202277-8	B4/MW2 @30-35	Total/NA	Solid	3050B	16
600-202277-9	B5 @0-2.5	Total/NA	Solid	3050B	17
600-202277-10	B5 @12.5-15	Total/NA	Solid	3050B	
MB 600-290611/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 600-290611/2-A	Lab Control Sample	Total/NA	Solid	3050B	
600-202277-1 MS	B1/MW1 @0-2.5	Total/NA	Solid	3050B	
600-202277-1 DU	B1/MW1 @0-2.5	Total/NA	Solid	3050B	

### Analysis Batch: 290802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-1	B1/MW1 @0-2.5	Total/NA	Solid	6010B	290611
600-202277-2	B1/MW1 @20-24	Total/NA	Solid	6010B	290611
600-202277-3	B2 @ 0-2.5	Total/NA	Solid	6010B	290611
600-202277-4	B2 @12.5-15	Total/NA	Solid	6010B	290611
600-202277-5	B3 @0-2.5	Total/NA	Solid	6010B	290611
600-202277-6	B3 @12.5-16	Total/NA	Solid	6010B	290611
600-202277-7	B4/MW2 @0-2.5	Total/NA	Solid	6010B	290611
600-202277-8	B4/MW2 @0-2.5	Total/NA	Solid	6010B	290611
600-202277-9	B4/MW2 @30-35	Total/NA	Solid	6010B	290611
600-202277-10	B5 @0-2.5	Total/NA	Solid	6010B	290611
600-202277-11	B5 @12.5-15	Total/NA	Solid	6010B	290611
MB 600-290611/1-A	Method Blank	Total/NA	Solid	6010B	290611
LCSSRM 600-290611/2-A	Lab Control Sample	Total/NA	Solid	6010B	290611
600-202277-1 MS	B1/MW1 @0-2.5	Total/NA	Solid	6010B	290611
600-202277-1 DU	B1/MW1 @0-2.5	Total/NA	Solid	6010B	290611

### Prep Batch: 290810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-3	B2 @ 0-2.5	Total/NA	Solid	7471A	
600-202277-4	B2 @12.5-15	Total/NA	Solid	7471A	
600-202277-5	B3 @0-2.5	Total/NA	Solid	7471A	
600-202277-6	B3 @12.5-16	Total/NA	Solid	7471A	
600-202277-7	B4/MW2 @0-2.5	Total/NA	Solid	7471A	
600-202277-8	B4/MW2 @30-35	Total/NA	Solid	7471A	
600-202277-9	B5 @0-2.5	Total/NA	Solid	7471A	

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# QC Association Summary

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Metals (Continued)

### Prep Batch: 290810 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-10	B5 @12.5-15	Total/NA	Solid	7471A	
MB 600-290810/7-B	Method Blank	Total/NA	Solid	7471A	
LCS 600-290810/8-B	Lab Control Sample	Total/NA	Solid	7471A	
600-202277-3 MS	B2 @ 0-2.5	Total/NA	Solid	7471A	
600-202277-3 DU	B2 @ 0-2.5	Total/NA	Solid	7471A	

### Analysis Batch: 290940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-3	B2 @ 0-2.5	Total/NA	Solid	7471A	290810
600-202277-4	B2 @12.5-15	Total/NA	Solid	7471A	290810
600-202277-5	B3 @0-2.5	Total/NA	Solid	7471A	290810
600-202277-6	B3 @12.5-16	Total/NA	Solid	7471A	290810
600-202277-7	B4/MW2 @0-2.5	Total/NA	Solid	7471A	290810
600-202277-8	B4/MW2 @30-35	Total/NA	Solid	7471A	290810
600-202277-9	B5 @0-2.5	Total/NA	Solid	7471A	290810
600-202277-10	B5 @12.5-15	Total/NA	Solid	7471A	290810
MB 600-290810/7-B	Method Blank	Total/NA	Solid	7471A	290810
LCS 600-290810/8-B	Lab Control Sample	Total/NA	Solid	7471A	290810
600-202277-3 MS	B2 @ 0-2.5	Total/NA	Solid	7471A	290810
600-202277-3 DU	B2 @ 0-2.5	Total/NA	Solid	7471A	290810

### Analysis Batch: 290944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-1	B1/MW1 @0-2.5	Total/NA	Solid	6010B	290611
600-202277-1 MS	B1/MW1 @0-2.5	Total/NA	Solid	6010B	290611
600-202277-1 DU	B1/MW1 @0-2.5	Total/NA	Solid	6010B	290611

## General Chemistry

### Analysis Batch: 290401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202277-1	B1/MW1 @0-2.5	Total/NA	Solid	2540B	
600-202277-2	B1/MW1 @20-24	Total/NA	Solid	2540B	
600-202277-3	B2 @ 0-2.5	Total/NA	Solid	2540B	
600-202277-4	B2 @12.5-15	Total/NA	Solid	2540B	
600-202277-5	B3 @0-2.5	Total/NA	Solid	2540B	
600-202277-6	B3 @12.5-16	Total/NA	Solid	2540B	
600-202277-7	B4/MW2 @0-2.5	Total/NA	Solid	2540B	
600-202277-8	B4/MW2 @30-35	Total/NA	Solid	2540B	
600-202277-9	B5 @0-2.5	Total/NA	Solid	2540B	
600-202277-10	B5 @12.5-15	Total/NA	Solid	2540B	
600-202277-1 DU	B1/MW1 @0-2.5	Total/NA	Solid	2540B	

# Lab Chronicle

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B1/MW1 @0-2.5**  
Date Collected: 03/12/20 15:21  
Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-1**  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540B		1	290401	03/17/20 09:08	ANP	TAL HOU

**Client Sample ID: B1/MW1 @0-2.5**  
Date Collected: 03/12/20 15:21  
Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-1**  
Matrix: Solid  
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			290300	03/14/20 16:05	WS1	TAL HOU
Total/NA	Analysis	8260B		1	290267	03/16/20 18:59	WS1	TAL HOU
Total/NA	Prep	3546			290642	03/19/20 07:20	SMB	TAL HOU
Total/NA	Analysis	8270C LL		50	290762	03/20/20 10:15	TTD	TAL HOU
Total/NA	Prep	5035			290317	03/14/20 14:05	RJV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			290303	03/16/20 12:36	RJV	TAL HOU
Total/NA	Analysis	TX 1005		1	290263	03/16/20 18:34	RJV	TAL HOU
Soluble	Leach	DI Leach			291013	03/24/20 08:53	AAZ	TAL HOU
Soluble	Analysis	9056A		2	291045	03/24/20 15:16	DAW	TAL HOU
Total/NA	Prep	3050B			290611	03/18/20 16:33	CLD	TAL HOU
Total/NA	Analysis	6010B		1	290802	03/20/20 12:25	KP1	TAL HOU
Total/NA	Prep	3050B			290611	03/18/20 16:33	CLD	TAL HOU
Total/NA	Analysis	6010B		5	290944	03/23/20 11:13	KP1	TAL HOU
Total/NA	Prep	7471A			290562	03/18/20 10:48	SOT	TAL HOU
Total/NA	Analysis	7471A		1	290603	03/18/20 15:25	SOT	TAL HOU

**Client Sample ID: B1/MW1 @20-24**  
Date Collected: 03/12/20 15:46  
Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-2**  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540B		1	290401	03/17/20 09:08	ANP	TAL HOU

**Client Sample ID: B1/MW1 @20-24**  
Date Collected: 03/12/20 15:46  
Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-2**  
Matrix: Solid  
Percent Solids: 73.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			290300	03/14/20 16:05	WS1	TAL HOU
Total/NA	Analysis	8260B		1	290267	03/16/20 19:21	WS1	TAL HOU
Total/NA	Prep	3546			290642	03/19/20 07:20	SMB	TAL HOU
Total/NA	Analysis	8270C LL		1	290762	03/20/20 10:41	TTD	TAL HOU
Total/NA	Prep	5035			290317	03/14/20 14:05	RJV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			290303	03/16/20 12:36	RJV	TAL HOU
Total/NA	Analysis	TX 1005		1	290263	03/16/20 19:08	RJV	TAL HOU
Soluble	Leach	DI Leach			291013	03/24/20 08:53	AAZ	TAL HOU
Soluble	Analysis	9056A		2	291045	03/24/20 15:37	DAW	TAL HOU

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# Lab Chronicle

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B1/MW1 @20-24**  
Date Collected: 03/12/20 15:46  
Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-2**  
Matrix: Solid  
Percent Solids: 73.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			290611	03/18/20 16:33	CLD	TAL HOU
Total/NA	Analysis	6010B		1	290802	03/20/20 12:31	KP1	TAL HOU
Total/NA	Prep	7471A			290562	03/18/20 10:48	SOT	TAL HOU
Total/NA	Analysis	7471A		1	290603	03/18/20 15:27	SOT	TAL HOU

**Client Sample ID: B2 @ 0-2.5**  
Date Collected: 03/12/20 16:09  
Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-3**  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540B		1	290401	03/17/20 09:08	ANP	TAL HOU

**Client Sample ID: B2 @ 0-2.5**  
Date Collected: 03/12/20 16:09  
Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-3**  
Matrix: Solid  
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			290300	03/14/20 16:05	WS1	TAL HOU
Total/NA	Analysis	8260B		1	290392	03/17/20 16:29	WS1	TAL HOU
Total/NA	Prep	3546			290642	03/19/20 07:20	SMB	TAL HOU
Total/NA	Analysis	8270C LL		10	290762	03/20/20 11:57	TTD	TAL HOU
Total/NA	Prep	5035			290317	03/14/20 14:05	RJV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			290303	03/16/20 12:36	RJV	TAL HOU
Total/NA	Analysis	TX 1005		1	290263	03/16/20 19:42	RJV	TAL HOU
Soluble	Leach	DI Leach			291013	03/24/20 08:53	AAZ	TAL HOU
Soluble	Analysis	9056A		2	291045	03/24/20 15:57	DAW	TAL HOU
Total/NA	Prep	3050B			290611	03/18/20 16:33	CLD	TAL HOU
Total/NA	Analysis	6010B		1	290802	03/20/20 12:33	KP1	TAL HOU
Total/NA	Prep	7471A			290810	03/20/20 11:20	SOT	TAL HOU
Total/NA	Analysis	7471A		1	290940	03/23/20 10:55	SOT	TAL HOU

**Client Sample ID: B2 @12.5-15**  
Date Collected: 03/12/20 16:27  
Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-4**  
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540B		1	290401	03/17/20 09:08	ANP	TAL HOU

**Client Sample ID: B2 @12.5-15**  
Date Collected: 03/12/20 16:27  
Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-4**  
Matrix: Solid  
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			290300	03/14/20 16:05	WS1	TAL HOU
Total/NA	Analysis	8260B		1	290524	03/18/20 15:35	WS1	TAL HOU

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# Lab Chronicle

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B2 @12.5-15**

Date Collected: 03/12/20 16:27

Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-4**

Matrix: Solid

Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			290642	03/19/20 07:20	SMB	TAL HOU
Total/NA	Analysis	8270C LL		1	290762	03/20/20 12:23	TTD	TAL HOU
Total/NA	Prep	5035			290317	03/14/20 14:05	RJV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			290303	03/16/20 12:36	RJV	TAL HOU
Total/NA	Analysis	TX 1005		1	290263	03/16/20 20:15	RJV	TAL HOU
Soluble	Leach	DI Leach			291013	03/24/20 08:53	AAZ	TAL HOU
Soluble	Analysis	9056A		2	291209	03/25/20 17:49	DAW	TAL HOU
Total/NA	Prep	3050B			290611	03/18/20 16:33	CLD	TAL HOU
Total/NA	Analysis	6010B		1	290802	03/20/20 12:35	KP1	TAL HOU
Total/NA	Prep	7471A			290810	03/20/20 11:20	SOT	TAL HOU
Total/NA	Analysis	7471A		1	290940	03/23/20 11:01	SOT	TAL HOU

**Client Sample ID: B3 @0-2.5**

Date Collected: 03/12/20 16:49

Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-5**

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540B		1	290401	03/17/20 09:08	ANP	TAL HOU

**Client Sample ID: B3 @0-2.5**

Date Collected: 03/12/20 16:49

Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-5**

Matrix: Solid

Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			290300	03/14/20 16:05	WS1	TAL HOU
Total/NA	Analysis	8260B		1	290651	03/19/20 13:00	WS1	TAL HOU
Total/NA	Prep	3546			290642	03/19/20 07:20	SMB	TAL HOU
Total/NA	Analysis	8270C LL		1	290762	03/20/20 12:48	TTD	TAL HOU
Total/NA	Prep	5035			290317	03/14/20 14:05	RJV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			290303	03/16/20 12:36	RJV	TAL HOU
Total/NA	Analysis	TX 1005		1	290263	03/16/20 20:49	RJV	TAL HOU
Soluble	Leach	DI Leach			291013	03/24/20 08:53	AAZ	TAL HOU
Soluble	Analysis	9056A		2	291209	03/25/20 18:50	DAW	TAL HOU
Total/NA	Prep	3050B			290611	03/18/20 16:33	CLD	TAL HOU
Total/NA	Analysis	6010B		1	290802	03/20/20 12:37	KP1	TAL HOU
Total/NA	Prep	7471A			290810	03/20/20 11:20	SOT	TAL HOU
Total/NA	Analysis	7471A		1	290940	03/23/20 11:03	SOT	TAL HOU

**Client Sample ID: B3 @12.5-16**

Date Collected: 03/12/20 17:13

Date Received: 03/14/20 10:52

**Lab Sample ID: 600-202277-6**

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540B		1	290401	03/17/20 09:08	ANP	TAL HOU

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# Lab Chronicle

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B3 @12.5-16**

**Lab Sample ID: 600-202277-6**

Date Collected: 03/12/20 17:13

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			290300	03/14/20 16:05	WS1	TAL HOU
Total/NA	Analysis	8260B		1	290651	03/19/20 13:46	WS1	TAL HOU
Total/NA	Prep	3546			290642	03/19/20 07:20	SMB	TAL HOU
Total/NA	Analysis	8270C LL		1	290762	03/20/20 13:14	TTD	TAL HOU
Total/NA	Prep	5035			290317	03/14/20 14:05	RJV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			290303	03/16/20 12:36	RJV	TAL HOU
Total/NA	Analysis	TX 1005		1	290263	03/16/20 21:23	RJV	TAL HOU
Soluble	Leach	DI Leach			291013	03/24/20 08:53	AAZ	TAL HOU
Soluble	Analysis	9056A		2	291209	03/25/20 19:11	DAW	TAL HOU
Total/NA	Prep	3050B			290611	03/18/20 16:33	CLD	TAL HOU
Total/NA	Analysis	6010B		1	290802	03/20/20 12:39	KP1	TAL HOU
Total/NA	Prep	7471A			290810	03/20/20 11:20	SOT	TAL HOU
Total/NA	Analysis	7471A		1	290940	03/23/20 11:05	SOT	TAL HOU

**Client Sample ID: B4/MW2 @0-2.5**

**Lab Sample ID: 600-202277-7**

Date Collected: 03/12/20 18:18

Matrix: Solid

Date Received: 03/14/20 10:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540B		1	290401	03/17/20 09:08	ANP	TAL HOU

**Client Sample ID: B4/MW2 @0-2.5**

**Lab Sample ID: 600-202277-7**

Date Collected: 03/12/20 18:18

Matrix: Solid

Date Received: 03/14/20 10:52

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			290300	03/14/20 16:05	WS1	TAL HOU
Total/NA	Analysis	8260B		1	290651	03/19/20 14:08	WS1	TAL HOU
Total/NA	Prep	3546			290642	03/19/20 07:20	SMB	TAL HOU
Total/NA	Analysis	8270C LL		10	290762	03/20/20 13:39	TTD	TAL HOU
Total/NA	Prep	5035			290317	03/14/20 14:05	RJV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			290303	03/16/20 12:36	RJV	TAL HOU
Total/NA	Analysis	TX 1005		1	290263	03/16/20 21:57	RJV	TAL HOU
Soluble	Leach	DI Leach			291013	03/24/20 08:53	AAZ	TAL HOU
Soluble	Analysis	9056A		5	291209	03/25/20 19:31	DAW	TAL HOU
Total/NA	Prep	3050B			290611	03/18/20 16:33	CLD	TAL HOU
Total/NA	Analysis	6010B		1	290802	03/20/20 12:47	KP1	TAL HOU
Total/NA	Prep	3050B			290611	03/18/20 16:33	CLD	TAL HOU
Total/NA	Analysis	6010B		10	290802	03/20/20 12:49	KP1	TAL HOU
Total/NA	Prep	7471A			290810	03/20/20 11:20	SOT	TAL HOU
Total/NA	Analysis	7471A		1	290940	03/23/20 11:07	SOT	TAL HOU

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# Lab Chronicle

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B4/MW2 @30-35**  
**Date Collected: 03/12/20 18:40**  
**Date Received: 03/14/20 10:52**

**Lab Sample ID: 600-202277-8**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540B		1	290401	03/17/20 09:08	ANP	TAL HOU

**Client Sample ID: B4/MW2 @30-35**  
**Date Collected: 03/12/20 18:40**  
**Date Received: 03/14/20 10:52**

**Lab Sample ID: 600-202277-8**  
**Matrix: Solid**  
**Percent Solids: 76.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			290300	03/14/20 16:05	WS1	TAL HOU
Total/NA	Analysis	8260B		1	290651	03/19/20 16:25	WS1	TAL HOU
Total/NA	Prep	5035			290300	03/14/20 16:05	WS1	TAL HOU
Total/NA	Analysis	8260B		1	290776	03/20/20 14:43	WS1	TAL HOU
Total/NA	Prep	3546			290642	03/19/20 07:20	SMB	TAL HOU
Total/NA	Analysis	8270C LL		1	290762	03/20/20 14:05	TTD	TAL HOU
Total/NA	Prep	5035			290317	03/14/20 14:05	RJV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			290303	03/16/20 12:36	RJV	TAL HOU
Total/NA	Analysis	TX 1005		1	290263	03/16/20 22:31	RJV	TAL HOU
Soluble	Leach	DI Leach			291013	03/24/20 08:53	AAZ	TAL HOU
Soluble	Analysis	9056A		2	291209	03/25/20 19:52	DAW	TAL HOU
Total/NA	Prep	3050B			290611	03/18/20 16:33	CLD	TAL HOU
Total/NA	Analysis	6010B		1	290802	03/20/20 12:51	KP1	TAL HOU
Total/NA	Prep	7471A			290810	03/20/20 11:20	SOT	TAL HOU
Total/NA	Analysis	7471A		1	290940	03/23/20 11:09	SOT	TAL HOU

**Client Sample ID: B5 @0-2.5**  
**Date Collected: 03/12/20 17:32**  
**Date Received: 03/14/20 10:52**

**Lab Sample ID: 600-202277-9**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540B		1	290401	03/17/20 09:08	ANP	TAL HOU

**Client Sample ID: B5 @0-2.5**  
**Date Collected: 03/12/20 17:32**  
**Date Received: 03/14/20 10:52**

**Lab Sample ID: 600-202277-9**  
**Matrix: Solid**  
**Percent Solids: 84.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			290300	03/14/20 16:05	WS1	TAL HOU
Total/NA	Analysis	8260B		1	290651	03/19/20 16:47	WS1	TAL HOU
Total/NA	Prep	3546			290642	03/19/20 07:20	SMB	TAL HOU
Total/NA	Analysis	8270C LL		1	290762	03/20/20 14:30	TTD	TAL HOU
Total/NA	Prep	5035			290317	03/14/20 14:05	RJV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			290303	03/16/20 12:36	RJV	TAL HOU
Total/NA	Analysis	TX 1005		1	290263	03/16/20 23:38	RJV	TAL HOU
Soluble	Leach	DI Leach			291013	03/24/20 08:53	AAZ	TAL HOU
Soluble	Analysis	9056A		5	291209	03/25/20 20:12	DAW	TAL HOU

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# Lab Chronicle

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

**Client Sample ID: B5 @0-2.5**  
**Date Collected: 03/12/20 17:32**  
**Date Received: 03/14/20 10:52**

**Lab Sample ID: 600-202277-9**  
**Matrix: Solid**  
**Percent Solids: 84.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			290611	03/18/20 16:33	CLD	TAL HOU
Total/NA	Analysis	6010B		1	290802	03/20/20 12:53	KP1	TAL HOU
Total/NA	Prep	7471A			290810	03/20/20 11:20	SOT	TAL HOU
Total/NA	Analysis	7471A		1	290940	03/23/20 11:15	SOT	TAL HOU

**Client Sample ID: B5 @12.5-15**  
**Date Collected: 03/12/20 17:47**  
**Date Received: 03/14/20 10:52**

**Lab Sample ID: 600-202277-10**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540B		1	290401	03/17/20 09:08	ANP	TAL HOU

**Client Sample ID: B5 @12.5-15**  
**Date Collected: 03/12/20 17:47**  
**Date Received: 03/14/20 10:52**

**Lab Sample ID: 600-202277-10**  
**Matrix: Solid**  
**Percent Solids: 82.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			290300	03/14/20 16:05	WS1	TAL HOU
Total/NA	Analysis	8260B		1	290651	03/19/20 17:10	WS1	TAL HOU
Total/NA	Prep	3546			290642	03/19/20 07:21	SMB	TAL HOU
Total/NA	Analysis	8270C LL		1	290762	03/20/20 14:56	TTD	TAL HOU
Total/NA	Prep	5035			290317	03/14/20 14:05	RJV	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			290303	03/16/20 12:36	RJV	TAL HOU
Total/NA	Analysis	TX 1005		1	290263	03/17/20 00:12	RJV	TAL HOU
Soluble	Leach	DI Leach			291013	03/24/20 08:53	AAZ	TAL HOU
Soluble	Analysis	9056A		2	291209	03/25/20 21:13	DAW	TAL HOU
Total/NA	Prep	3050B			290611	03/18/20 16:33	CLD	TAL HOU
Total/NA	Analysis	6010B		1	290802	03/20/20 12:55	KP1	TAL HOU
Total/NA	Prep	7471A			290810	03/20/20 11:20	SOT	TAL HOU
Total/NA	Analysis	7471A		1	290940	03/23/20 11:17	SOT	TAL HOU

## Laboratory References:

TAL HOU = Eurofins TestAmerica, Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Eurofins TestAmerica, Houston

# Accreditation/Certification Summary

Client: STC Environmental Services  
Project/Site: 202105/ Peter Wilcox

Job ID: 600-202277-1

## Laboratory: Eurofins TestAmerica, Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704223-19-25	10-31-20

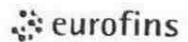
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2540B		Solid	Percent Moisture
2540B		Solid	Percent Solids
8260B	5035	Solid	Cyclohexane
8270C LL	3546	Solid	3 & 4 Methylphenol
TX 1005	5035	Solid	>C12-C28
TX 1005	5035	Solid	>C28-C35
TX 1005	5035	Solid	C6-C12

Houston Short Hold Time		Saturday Delivery		Temp				
STC ENVIRONMENTAL SERVICES INC.		Analysis Request and Chain of Custody Record		San Antonio				
4754 RESEARCH DRIVE SAN ANTONIO, TEXAS 78240 OFFICE (210) 696-6286 * FAX (210) 696-8761				#239				
PROJECT NO.: 202105	Client/Project: Peter Willcox / 5036 Roosevelt			Record No. 2543				
SAMPLE IDENTIFICATION	DATE AND TIME	G r a b	C o m p	Sample Container (Size/Mat'l)	Sample Type (Liquid Sludge, Etc.)	Preservative	ANALYSIS REQUESTED	LABORATORY REMARKS
San Antonio #239								
600-202277 Chain of Custody								
B1/mwl @ 0-2.5	3/12/20 3:21p	X		5035 KIT(2) 4oz glass	Soil	Kt / chll	X X X X X	HDL 70°C VOC
B1/mwl @ 20-24	3:46p							
B2 @ 0-2.5	4:09p							
B2 @ 12.5-15	4:27p							
B3 @ 0-2.5	4:49p							
B3 @ 12.5-16	5:13p							
B4/mw2 @ 0-2.5	6:18p							
B4/mw2 @ 30-35	6:40p							
B5 @ 0-2.5	5:32p							
B5 @ 12.5-15	5:47p	X					X X X X X	
Samplers: (Print) 1) Jahnah Jahns	Relinquished by: (Signature)	Date: 3/13/20 Time: 10:48 am	Received by: (Signature)	Ruben M. Jones	Date: 3/13/20 Time: 10:47	COC Seal No. 1047		
Company:	Relinquished by: (Signature)	Date: 3/13/20 Time: 10:47	Received by: (Signature)	Sandra Jones	Date: 3/14/20 Time: 1058	Samples Chilled? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
LABORATORY	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)		Date: Time:	Samples Intact?: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Results Due By:	REMARKS: Pott# 170-20. Please hold for SPLP Need TRRP report and checklist please.			REPORT RESULTS TO:	Initials of Receiver:			
Rush Charges Authorized Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				1) Jahnah Jahns 2) Craig Tribbley				

Loc: 600  
**202277**

Eurofins TestAmerica Houston



Environment Testing  
TestAmerica

## Sample Receipt Checklist

JOB NUMBER: 202277  
UNPACKED BY: ST

Date/Time Received: \_\_\_\_\_  
CLIENT: STC      '20 MAR 14 10:52  
CARRIER/DRIVER: Fed EX

Custody Seal Present:  YES  NO

Number of Coolers Received: 2

Cooler ID	Temp Blank	Trip Blank	Observed Temp (°C)	Therm ID	Therm CF	Corrected Temp (°C)
2733 - 1	Y / N	Y / N	1.9	678	-0.1	1.8
2744 - 2	Y / N	Y / N	0.8			0.7
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				

CF = correction factor

Samples received on ice?  YES  NO

LABORATORY PRESERVATION OF SAMPLES REQUIRED:  NO  YES

Base samples are >pH 12:  YES  NO      Acid preserved are <pH 2:  YES  NO

TX1005 samples frozen upon receipt:  YES DATE & TIME PUT IN FREEZER: \_\_\_\_\_

pH paper Lot #: \_\_\_\_\_ VOA headspace acceptable (5-6mm):  YES  NO  N/A

Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?  YES  NO

COMMENTS:

3/14/20  
ST

## Login Sample Receipt Checklist

Client: STC Environmental Services

Job Number: 600-202277-1

**Login Number:** 202277

**List Source:** Eurofins TestAmerica, Houston

**List Number:** 1

**Creator:** Torres, Sandra

Question	Answer	Comment	
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.	6
The cooler's custody seal, if present, is intact.	True		7
Sample custody seals, if present, are intact.	True		8
The cooler or samples do not appear to have been compromised or tampered with.	True		9
Samples were received on ice.	True		10
Cooler Temperature is acceptable.	True		11
Cooler Temperature is recorded.	True	1.8, 0.7	12
COC is present.	True		13
COC is filled out in ink and legible.	True		14
COC is filled out with all pertinent information.	True		15
Is the Field Sampler's name present on COC?	True		16
There are no discrepancies between the containers received and the COC.	True		17
Samples are received within Holding Time (excluding tests with immediate HTs)	True		
Sample containers have legible labels.	True		
Containers are not broken or leaking.	True		
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	True		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True		
Multiphasic samples are not present.	True		
Samples do not require splitting or compositing.	True		
Residual Chlorine Checked.	N/A	Check done at department level as required.	



# Environment Testing TestAmerica



## ANALYTICAL REPORT

Eurofins TestAmerica, Houston  
6310 Rothway Street  
Houston, TX 77040  
Tel: (713)690-4444

Laboratory Job ID: 600-202520-1  
Client Project/Site: 202105 / Peter Wilcox

For:  
STC Environmental Services  
4754 Research Drive  
San Antonio, Texas 78240

Attn: Craig Tribley

Authorized for release by:  
3/26/2020 3:45:28 PM  
Jasmine Turner, Project Management Assistant I  
(713)690-4444  
[jasmine.turner@testamericainc.com](mailto:jasmine.turner@testamericainc.com)

Designee for  
Sachin Kudchadkar, Senior Project Manager  
(713)690-4444  
[sachin.kudchadkar@testamericainc.com](mailto:sachin.kudchadkar@testamericainc.com)

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?

Ask  
The  
Expert

Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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# Appendix A

## Laboratory Data Package Cover Page - Page 1 of 4

This data package is for Eurofins TestAmerica, Houston job number 600-202520-1 and consists of:

- R1 - Field chain-of-custody documentation;
- R2 - Sample identification cross-reference;
- R3 - Test reports (analytical data sheets) for each environmental sample that includes:
  - a. Items consistent with NELAC Chapter 5,
  - b. dilution factors,
  - c. preparation methods,
  - d. cleanup methods, and
  - e. if required for the project, tentatively identified compounds (TICs).
- R4 - Surrogate recovery data including:
  - a. Calculated recovery (%R), and
  - b. The laboratory's surrogate QC limits.
- R5 - Test reports/summary forms for blank samples;
- R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
  - a. LCS spiking amounts,
  - b. Calculated %R for each analyte, and
  - c. The laboratory's LCS QC limits.
- R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a. Samples associated with the MS/MSD clearly identified,
  - b. MS/MSD spiking amounts,
  - c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d. Calculated %Rs and relative percent differences (RPDs), and
  - e. The laboratory's MS/MSD QC limits
- R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
  - a. The amount of analyte measured in the duplicate,
  - b. The calculated RPD, and
  - c. The laboratory's QC limits for analytical duplicates.
- R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- R10 - Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

**Release Statement:** I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Jasmine Turner, for Sachin Kudchadkar

Name (printed)



Signature

3/26/2020

Date

Senior Project Manager

Official Title (printed)

# Laboratory Review Checklist: Reportable Data - Page 2 of 4

Laboratory Name:	Eurofins TestAmerica, Houston	LRC Date:	3/26/2020
Project Name:	202105 / Peter Wilcox	Laboratory Job Number:	600-202520-1
Reviewer Name:	Jasmine Turner, for Sachin Kudchadkar		

# <sup>1</sup>	A <sup>2</sup>	Description	Yes	No	NA <sup>3</sup>	NR <sup>4</sup>	ER# <sup>5</sup>
R1	OI	<b>Chain-of-custody (C-O-C)</b>					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				R01A
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	<b>Sample and quality control (QC) identification</b>					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	<b>Test reports</b>					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?		X			
		Were % moisture (or solids) reported for all soil and sediment samples?		X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?		X			
		If required for the project, are TICs reported?		X			
R4	O	<b>Surrogate recovery data</b>					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			R04B
R5	OI	<b>Test reports/summary forms for blank samples</b>					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				R05D
R6	OI	<b>Laboratory control samples (LCS):</b>					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X			R06D
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?		X			R06F
R7	OI	<b>Matrix spike (MS) and matrix spike duplicate (MSD) data</b>					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			R07C
		Were MS/MSD RPDs within laboratory QC limits?		X			R07D
R8	OI	<b>Analytical duplicate data</b>					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?		X			R08C
R9	OI	<b>Method quantitation limits (MQLs):</b>					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	<b>Other problems/anomalies</b>					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

# Laboratory Review checklist: Supporting Data - Page 3 of 4

Laboratory Name:	Eurofins TestAmerica, Houston	LRC Date:	3/26/2020
Project Name:	202105 / Peter Wilcox	Laboratory Job Number:	600-202520-1
Reviewer Name:	Jasmine Turner, for Sachin Kudchadkar		

# <sup>1</sup>	A <sup>2</sup>	Description	Yes	No	NA <sup>3</sup>	NR <sup>4</sup>	ER# <sup>5</sup>
S1	OI	<b>Initial calibration (ICAL)</b>					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	<b>Initial and continuing calibration verification (ICV and CCV) and continuing calibration blank (CCB):</b>					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?		X			S02B
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	<b>Mass spectral tuning</b>					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	<b>Internal standards (IS)</b>					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	<b>Raw data (NELAC Section 5.5.10)</b>					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	<b>Dual column confirmation</b>					
		Did dual column confirmation results meet the method-required QC?		X			
S7	O	<b>Tentatively identified compounds (TICs)</b>					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?		X			
S8	I	<b>Interference Check Sample (ICS) results</b>					
		Were percent recoveries within method QC limits?		X			
S9	I	<b>Serial dilutions, post digestion spikes, and method of standard additions</b>					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X			
S10	OI	<b>Method detection limit (MDL) studies</b>					
		Was a MDL study performed for each reported analyte?		X			
		Is the MDL either adjusted or supported by the analysis of DCSs?		X			
S11	OI	<b>Proficiency test reports</b>					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X			
S12	OI	<b>Standards documentation</b>					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?		X			
S13	OI	<b>Compound/analyte identification procedures</b>					
		Are the procedures for compound/analyte identification documented?		X			
S14	OI	<b>Demonstration of analyst competency (DOC)</b>					
		Was DOC conducted consistent with NELAC Chapter 5?		X			
		Is documentation of the analyst's competency up-to-date and on file?		X			
S15	OI	<b>Verification/validation documentation for methods (NELAC Chapter 5)</b>					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?		X			
S16	OI	<b>Laboratory standard operating procedures (SOPs)</b>					
		Are laboratory SOPs current and on file for each method performed?		X			

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

# Laboratory Review Checklist: Exception Reports - Page 4 of 4

Laboratory Name:	Eurofins TestAmerica, Houston	LRC Date:	3/26/2020
Project Name:	202105 / Peter Wilcox	Laboratory Job Number:	600-202520-1
Reviewer Name:	Jasmine Turner, for Sachin Kudchadkar		

ER # <sup>1</sup>	Description
R01A	Method 6010B: The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory. Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion.
R04B	Method 8270C LL: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: MW2(B4) (600-202520-2). These results have been reported and qualified.
R05D	<p>Method 8260B: The method blank for analytical batch 600-290648 contained Methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.</p> <p>Method 8260B: The method blank for analytical batch 600-290775 contained Methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.</p> <p>Method 8260B: The method blank for analytical batch 600-290891 contained Methylene chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.</p> <p>Method 8270C LL: The method blank for preparation batch 600-290795 and analytical batch 600-290836 contained Di-n-octyl phthalate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.</p> <p>Method 8270C LL: The method blank for preparation batch 600-290948 and analytical batch 600-290980 contained 2-Methylnaphthalene and Naphthalene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.</p>
R06D	<p>Method 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 600-290648 recovered outside control limits for the following analytes: Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.</p> <p>Method 8270C LL: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 600-290795 and analytical batch 600-290836 recovered outside control limits for the following analytes: 4-Chloroaniline and 4-Nitroaniline. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.</p> <p>Method 8270C LL: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 600-290948 and analytical batch 600-290980 recovered outside control limits for the following analytes: 4-Chloroaniline. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.</p> <p>Method 8270C LL: The laboratory control sample duplicate (LCSD) for preparation batch 600-290948 and analytical batch 600-290980 recovered outside control limits for the following analytes: 4-Nitroaniline and Carbazole. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.</p>
R06F	Method 8270C LL: The RPD of the laboratory control sample duplicate (LCSD) for preparation batch 600-290948 and analytical batch 600-290980 recovered above QC limits for the following analytes: 2,4-Dinitrophenol.
R07C	Method 8270C LL: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 600-290948 and analytical batch 600-290980 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected.
R07D	Method 8270C LL: 600-202616-A-4-C MSD recovered above QC Limits for RPD for multiple analytes.

R08C	Method 6010B: 600-202328-A-1-B DU recovered above QC limits for RPD for the following analytes: As, Cd.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
S02B	<p>Method 8260B: The continuing calibration verification (CCV) associated with batch 600-290648 recovered above the upper control limit for Carbon Tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.</p> <p>Method 8260B: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 600-290648: 1,1,2,2-Tetrachloroethane (40.9%). These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. The drift% is more than 35% but below 50%.</p> <p>Method 8260B: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 600-290775: Bromomethane (47.7%). These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. The drift% is more than 35% but below 50%.</p> <p>Method 8270C LL: The continuing calibration verification (CCV) associated with batch 600-290836 recovered above the upper control limit for 4-Chloroaniline, 4-Nitroaniline and 2,4,5-Trichlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.</p> <p>Method 8270C LL: The continuing calibration verification (CCV) associated with batch 600-290980 recovered above the upper control limit for 4-Chloroaniline. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.</p> <p>Method 8270C LL: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 600-290980: 3-Nitroaniline. This compound is a poor performer and not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. The associated samples were non-detect for the affected analytes.</p>	17

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

**Matrix:** Water  
**Method:** TX\_1005  
**Prep Method:** TX\_1005\_W\_Prep  
**Date Analyzed:** 12/17/2019  
**Job #:** 600-193306  
**TALS Batch:** 283100  
**Units:** mg/L

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
C6-C12	CHFID12_R	0.830	0.504	0.519	2
C6-C35	CHFID12_R	0.830	2.007	1.990	2
Over C12-C28	CHFID12_R	0.960	0.500	0.519	2

**Matrix:** Water  
**Method:** SW-846 9056 / EPA 300  
**Date Analyzed:** 11/18/2019  
**Job #:** 600-193304  
**TALS Batch:** 280525  
**Units:** mg/L

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
Bromide	CHWC11	0.101	0.200	0.222	0.4
Chloride	CHWC11	0.053	0.400	0.477	0.4
Fluoride	CHWC11	0.060	0.200	0.291	0.2
Nitrate as N	CHWC11	0.025	0.200	0.207	0.2
Nitrite as N	CHWC11	0.030	0.200	0.240	0.2
Sulfate	CHWC11	0.096	0.400	1.825	0.5

**Matrix:** Water  
**Method:** 8270C  
**Prep Method:** 3510C\_LVI  
**Date Analyzed:** 10/14/2019  
**Job #:** 600-193184  
**TALS Batch:** 277485  
**Units:** ug/L

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
1,1'-Biphenyl	CHSVM09	2.680	0.800	0.526	10
1,2,4,5-Tetrachlorobenzene	CHSVM09	3.410	0.800	0.873	10
1,2,4-Trichlorobenzene	CHSVM09	2.050	0.800	0.758	10
1,2-Dichlorobenzene	CHSVM09	2.410	0.800	0.591	10
1,2-Dinitrobenzene	CHSVM09	3.340	2.000	2.944	10
1,2-Diphenylhydrazine	CHSVM09	3.700	0.800	0.632	10
1,3,5-Trinitrobenzene	CHSVM09	2.210	2.000	2.499	20
1,3-Dichlorobenzene	CHSVM09	2.640	0.800	0.573	10
1,3-Dinitrobenzene	CHSVM09	2.760	2.000	0.736	10
1,4-Dichlorobenzene	CHSVM09	1.940	0.800	0.614	10
1,4-Dinitrobenzene	CHSVM09	3.140	4.000	4.383	10
1,4-Naphthoquinone	CHSVM11	0.787	0.800	0.048	10
1-Choronaphthalene	CHSVM09	2.740	2.000	1.574	10
1-Methylnaphthalene	CHSVM09	2.890	0.800	0.739	10
1-Naphthylamine	CHSVM09	1.030	0.800	0.302	10
2,2'-oxybis[1-chloropropane]	CHSVM09	2.920	4.000	0.242	10
2,3,4,6-Tetrachlorophenol	CHSVM09	5.470	2.000	1.541	10
2,3,5,6-Tetrachlorophenol	CHSVM09	1.000	0.800	0.463	1
2,4,5-Trichlorophenol	CHSVM09	4.200	2.000	1.432	10
2,4,6-Trichlorophenol	CHSVM09	3.320	0.800	0.477	10
2,4-Dichlorophenol	CHSVM09	2.160	0.800	0.269	10
2,4-Dimethylphenol	CHSVM09	1.940	0.800	0.388	10
2,4-Dinitrophenol	CHSVM09	5.460	8.000	4.433	50
2,4-Dinitrotoluene	CHSVM09	2.110	2.000	1.220	10
2,6-Dichlorophenol	CHSVM09	2.590	0.800	0.332	10
2,6-Dimethylphenol	CHSVM09	20.000	4.000	2.237	20
2,6-Dinitrotoluene	CHSVM09	2.790	2.000	1.071	10
2-Acetylaminofluorene	CHSVM09	1.990	0.800	0.569	10
2-Choronaphthalene	CHSVM09	2.810	0.800	0.638	10
2-Chlorophenol	CHSVM09	2.190	0.800	0.580	10
2-Methylnaphthalene	CHSVM09	2.580	0.800	0.760	10
2-Methylphenol	CHSVM09	1.420	0.800	0.519	10
2-Naphthylamine	CHSVM09	1.340	0.800	0.400	10
2-Nitroaniline	CHSVM09	3.800	2.000	0.945	50
2-Nitrophenol	CHSVM09	2.100	0.800	0.334	10
2-Picoline	CHSVM09	4.190	2.000	0.308	10
2-Toluidine	CHSVM09	1.860	0.800	0.409	10
3 & 4 Methylphenol	CHSVM09	1.350	0.800	0.512	20
3,3'-Dichlorobenzidine	CHSVM09	2.370	0.800	0.661	20
3,3'-Dimethylbenzidine	CHSVM09	0.010	4.000	2.837	10
3-Methylcholanthrene	CHSVM09	1.980	0.800	0.281	10
3-Nitroaniline	CHSVM09	1.850	2.000	0.890	50
4,4'-Methylene bis(2-chloroaniline)	CHSVM09	0.010	2.000	1.255	50
4,6-Dinitro-2-methylphenol	CHSVM09	3.360	4.000	1.497	50
4-Aminobiphenyl	CHSVM09	1.790	0.800	0.306	10
4-Bromophenyl phenyl ether	CHSVM09	2.500	0.800	0.901	10
4-Chloro-3-methylphenol	CHSVM09	1.970	0.800	0.388	10
4-Chloroaniline	CHSVM09	2.110	0.800	0.230	10
4-Chlorophenyl phenyl ether	CHSVM09	2.190	0.800	0.830	10

DCS = Detection Check Standard

MQL = Method Quantitation Limit

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**Matrix:** Water  
**Method:** 8270C  
**Prep Method:** 3510C\_LVI  
**Date Analyzed:** 10/14/2019  
**Job #:** 600-193184  
**TALS Batch:** 277485  
**Units:** ug/L

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
4-Nitroaniline	CHSVMS09	2.340	2.000	0.905	10
4-Nitrophenol	CHSVMS09	2.800	8.000	0.740	50
4-Nitroquinoline-1-oxide	CHSVMS11	1.230	2.000	3.203	50
6-Methylchrysene	CHSVMS09	0.001	2.000	1.991	10
7,12-Dimethylbenz(a)anthracene	CHSVMS09	1.230	0.800	0.526	10
Acenaphthene	CHSVMS09	2.270	0.800	0.806	10
Acenaphthylene	CHSVMS09	2.290	0.800	0.700	10
Acetophenone	CHSVMS09	2.420	0.800	0.582	10
Acrylamide	CHSVMS11	0.010	4.000	3.823	500
Aniline	CHSVMS09	1.590	0.800	0.407	10
Anthracene	CHSVMS09	2.490	0.800	0.688	10
Aramite Peak 1	CHSVMS09	0.010	2.000	1.710	10
Aramite Peak 2	CHSVMS09	0.010	0.400	0.464	10
Aramite, Total	CHSVMS11	0.010	4.000	1.280	10
Atrazine	CHSVMS11	0.010	4.000	4.004	10
Azobenzene	CHSVMS09	3.700	0.800	0.632	10
Benzaldehyde	CHSVMS09	10.000	2.000	1.696	10
Benzidine	CHSVMS09	17.920	4.000	2.469	100
Benzo[a]anthracene	CHSVMS09	2.110	0.800	0.870	10
Benzo[a]pyrene	CHSVMS09	2.460	0.800	0.609	10
Benzo[b]fluoranthene	CHSVMS09	2.500	0.800	0.787	10
Benzo[g,h,i]perylene	CHSVMS09	2.110	0.800	0.771	10
Benzo[k]fluoranthene	CHSVMS09	2.990	0.800	0.807	10
Benzoic acid	CHSVMS09	3.700	4.000	4.243	50
Benzyl alcohol	CHSVMS09	1.980	0.800	0.101	10
Bis(2-chloroethoxy)methane	CHSVMS09	2.910	0.800	0.477	10
Bis(2-chloroethyl)ether	CHSVMS09	2.630	0.800	0.499	10
Bis(2-ethylhexyl) phthalate	CHSVMS09	2.260	0.800	0.944	10
Butyl benzyl phthalate	CHSVMS09	2.360	0.800	0.969	10
Caprolactam	CHSVMS09	0.850	2.000	0.576	10
Carbazole	CHSVMS09	2.970	0.800	0.794	10
Chlorobenzilate	CHSVMS09	3.140	0.800	0.583	10
Chrysene	CHSVMS09	2.060	0.800	0.981	10
Diallate Peak 1	CHSVMS09	2.810	1.000	0.684	10
Diallate Peak 2	CHSVMS09	2.810	1.000	0.846	10
Dibenz(a,h)anthracene	CHSVMS09	2.480	0.800	0.647	10
Dibenz[a,h]acridine	CHSVMS11	0.010	2.000	2.829	10
Dibenz[a,j]acridine	CHSVMS09	3.070	0.800	0.499	10
Dibenzofuran	CHSVMS09	2.280	0.800	0.614	10
Diethyl phthalate	CHSVMS09	2.590	0.800	0.915	10
Dimethoate	CHSVMS09	1.290	0.800	0.489	10
Dimethyl phthalate	CHSVMS09	2.470	0.800	0.711	10
Di-n-butyl phthalate	CHSVMS09	2.090	0.800	0.904	10
Di-n-octyl phthalate	CHSVMS09	1.870	0.800	0.799	10
Dinoseb	CHSVMS11	0.010	4.000	4.708	10
Diphenylamine	CHSVMS09	2.010	0.680	0.442	10
Disulfoton	CHSVMS09	2.210	0.800	1.186	10
Ethyl methanesulfonate	CHSVMS09	2.030	0.800	0.478	10
Ethyl Parathion	CHSVMS09	2.040	2.000	2.121	10

DCS = Detection Check Standard

MQL = Method Quantitation Limit

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**Matrix:** Water  
**Method:** 8270C  
**Prep Method:** 3510C\_LVI  
**Date Analyzed:** 10/14/2019  
**Job #:** 600-193184  
**TALS Batch:** 277485  
**Units:** ug/L

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
Fluoranthene	CHSVM09	2.440	0.800	0.889	10
Fluorene	CHSVM09	2.110	0.800	0.697	10
Hexachlorobenzene	CHSVM09	3.280	0.800	0.577	10
Hexachlorobutadiene	CHSVM09	2.570	0.800	1.127	10
Hexachlorocyclopentadiene	CHSVM09	2.320	0.800	0.512	10
Hexachloroethane	CHSVM09	3.290	0.800	0.470	10
Hexachloropropene	CHSVM09	4.770	2.000	1.220	10
Hexadecane	CHSVM09	0.010	2.000	1.425	10
Indene	CHSVM09	0.010	2.000	1.105	10
Indeno[1,2,3-cd]pyrene	CHSVM09	3.090	0.800	0.734	10
Isodrin	CHSVM09	2.190	0.800	0.799	10
Isophorone	CHSVM09	2.640	0.800	0.528	10
Isosafrole Peak 1	CHSVM09	2.240	1.000	0.381	10
Isosafrole Peak 2	CHSVM09	2.240	1.000	0.344	10
Methapyrilene	CHSVM09	0.010	4.000	4.648	10
Methyl methanesulfonate	CHSVM09	1.230	0.800	0.573	10
Methyl parathion	CHSVM09	2.240	0.800	0.691	10
Methyl Phenols, Total	CHSVM09	1.350	8.000	3.200	20
n,n'-Dimethylaniline	CHSVM09	2.000	0.800	0.603	10
Naphthalene	CHSVM09	2.200	0.800	0.922	10
n-Decane	CHSVM09	0.010	4.000	2.045	10
Nitrobenzene	CHSVM09	2.590	0.800	0.813	10
N-Nitro-o-toluidine	CHSVM09	1.940	2.000	0.867	10
N-Nitrosodiethylamine	CHSVM09	2.280	0.800	0.452	10
N-Nitrosodimethylamine	CHSVM09	1.390	0.800	0.320	10
N-Nitrosodi-n-butylamine	CHSVM09	1.840	0.800	0.371	10
N-Nitrosodi-n-propylamine	CHSVM09	3.190	0.800	0.614	10
N-Nitrosodiphenylamine	CHSVM09	2.010	0.800	0.520	10
N-Nitrosomethylalkylamine	CHSVM09	2.010	0.800	0.512	10
N-Nitrosomorpholine	CHSVM09	1.760	0.800	0.344	10
N-Nitrosopiperidine	CHSVM09	2.090	0.800	0.572	10
N-Nitrosopyrrolidine	CHSVM09	2.010	2.000	1.087	10
n-Octadecane	CHSVM09	0.010	4.000	3.633	10
o,o',o"-Triethylphosphorothioate	CHSVM09	2.460	0.800	0.439	10
p-Dimethylamino azobenzene	CHSVM09	2.000	0.800	0.443	10
Pentachlorobenzene	CHSVM09	3.320	0.800	0.535	10
Pentachloroethane	CHSVM09	2.880	2.000	1.553	10
Pentachloronitrobenzene	CHSVM09	2.780	0.800	0.551	10
Pentachlorophenol	CHSVM09	3.150	1.600	0.270	50
Phenacetin	CHSVM09	1.990	2.000	1.260	10
Phenanthrene	CHSVM09	2.240	0.800	0.727	10
Phenol	CHSVM09	1.250	0.800	0.295	10
Phenyl ether	CHSVM09	2.780	0.800	0.576	10
Phorate	CHSVM09	2.380	0.800	0.566	20
Pronamide	CHSVM09	2.310	0.800	0.745	10
Pyrene	CHSVM09	3.000	0.800	0.793	10
Pyridine	CHSVM09	2.160	1.600	0.789	10
Quinoline	CHSVM09	0.010	4.000	2.408	10
Safrole, Total	CHSVM09	2.660	2.000	1.336	10

DCS = Detection Check Standard

MQL = Method Quantitation Limit

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**Matrix:** Water  
**Method:** 8270C  
**Prep Method:** 3510C\_LVI  
**Date Analyzed:** 10/14/2019  
**Job #:** 600-193184  
**TALS Batch:** 277485  
**Units:** ug/L

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
Sulfotep	CHSVMS11	0.010	2.000	3.090	10
Thionazin	CHSVMS09	2.420	2.000	1.566	10
Total Cresols	CHSVMS09	5.000	8.000	3.200	50
Total Cresols, TCEQ Definition	CHSVMS09	5.000	16.000	4.600	50

**Matrix:** Water  
**Method:** 8260B\_LL  
**Prep Method:** 5030B  
**Date Analyzed:** 10/8/2019  
**Job #:** 600-193305  
**TALS Batch:** 276830  
**Units:** ug/L

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
1,1,1,2-Tetrachloroethane	CHVOAMS07	0.178	0.500	0.564	1
1,1,1-Trichloroethane	CHVOAMS07	0.209	0.500	0.457	1
1,1,2,2-Tetrachloroethane	CHVOAMS07	0.197	0.500	0.539	1
1,1,2-Trichloro-1,2,2-trifluoroethane	CHVOAMS07	0.210	0.500	0.480	1
1,1,2-Trichloroethane	CHVOAMS07	0.209	0.500	0.558	1
1,1-Dichloroethane	CHVOAMS07	0.168	0.500	0.501	1
1,1-Dichloroethene	CHVOAMS07	0.192	0.500	0.569	1
1,1-Dichloropropene	CHVOAMS07	0.191	0.500	0.511	1
1,2,3-Trichlorobenzene	CHVOAMS07	0.570	0.500	0.486	1
1,2,3-Trichloropropane	CHVOAMS07	0.290	0.500	0.669	1
1,2,3-Trimethylbenzene	CHVOAMS07	0.170	0.500	0.448	1
1,2,4-Trichlorobenzene	CHVOAMS07	0.177	0.500	0.488	1
1,2,4-Trimethylbenzene	CHVOAMS07	0.215	0.500	0.442	1
1,2-Dibromo-3-Chloropropane	CHVOAMS07	0.810	0.500	0.561	1
1,2-Dichlorobenzene	CHVOAMS07	0.153	0.500	0.482	1
1,2-Dichloroethane	CHVOAMS07	0.116	0.500	0.524	1
1,2-Dichloroethene, Total	CHVOAMS07	0.355	1.000	1.120	2
1,2-Dichloropropane	CHVOAMS07	0.136	0.500	0.601	1
1,3,5-Trichlorobenzene	CHVOAMS07	0.187	0.500	0.477	1
1,3,5-Trimethylbenzene	CHVOAMS07	0.210	0.500	0.462	1
1,3-Dichlorobenzene	CHVOAMS07	0.210	0.500	0.506	1
1,3-Dichloropropane	CHVOAMS07	0.220	0.500	0.435	1
1,4-Dichlorobenzene	CHVOAMS07	0.176	0.500	0.463	1
1,4-Dioxane	CHVOAMS07	5.390	10.000	4.302	50
2,2-Dichloropropane	CHVOAMS07	0.258	0.500	0.521	1
2-Butanone (MEK)	CHVOAMS07	0.760	1.000	1.357	2
2-Chloro-1,3-butadiene	CHVOAMS07	0.330	0.500	0.412	1
2-Chloroethyl vinyl ether	CHVOAMS07	0.500	1.000	2.701	2
2-Chlorotoluene	CHVOAMS07	0.226	0.500	0.467	1
2-Ethyl-1-Hexanol	CHVOAMS07	9.090	10.000	62.932	50
2-Ethyl-2-hexenal	CHVOAMS07	0.350	0.500	2.856	2
2-Hexanone	CHVOAMS07	0.265	1.000	0.877	2
2-Methyl-2-propanol	CHVOAMS07	1.820	5.000	5.158	20
2-Methyltetrahydrofuran	CHVOAMS07	1.560	1.250	3.478	5
2-Methyltetrahydropyran	CHVOAMS07	1.230	1.250	2.852	5
2-Nitropropane	CHVOAMS07	0.367	1.000	1.273	2
3-Chloro-1-propene	CHVOAMS07	0.231	0.500	0.498	2
4-Chlorotoluene	CHVOAMS07	0.210	0.500	0.483	1
4-Isopropyltoluene	CHVOAMS07	0.228	0.500	0.422	1
4-Methyl-2-pentanone (MIBK)	CHVOAMS07	0.348	1.000	1.083	2
Acetone	CHVOAMS07	0.447	1.000	0.831	5
Acetonitrile	CHVOAMS07	1.760	5.000	4.471	10
Acrolein	CHVOAMS07	0.980	2.500	3.236	5
Acrylonitrile	CHVOAMS07	0.957	5.000	5.072	10
Benzene	CHVOAMS07	0.176	0.500	0.489	1
Benzyl chloride	CHVOAMS07	0.306	0.500	0.387	1
Bromobenzene	CHVOAMS07	0.195	0.500	0.460	1
Bromoform	CHVOAMS07	0.151	0.500	0.607	1
Bromomethane	CHVOAMS07	0.250	0.500	1.564	2

DCS = Detection Check Standard

MQL = Method Quantitation Limit

**Matrix:** Water  
**Method:** 8260B\_LL  
**Prep Method:** 5030B  
**Date Analyzed:** 10/8/2019  
**Job #:** 600-193305  
**TALS Batch:** 276830  
**Units:** ug/L

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
Butadiene	CHVOAMS07	0.282	0.500	0.500	1
Carbon disulfide	CHVOAMS07	0.216	0.500	0.507	2
Carbon tetrachloride	CHVOAMS07	0.183	0.500	0.460	1
Chlorobenzene	CHVOAMS07	0.185	0.500	0.539	1
Chlorobromomethane	CHVOAMS07	0.162	0.500	0.581	1
Chlorodibromomethane	CHVOAMS07	0.119	0.500	0.479	1
Chloroethane	CHVOAMS07	0.240	0.500	0.654	2
Chloroform	CHVOAMS07	0.151	0.500	0.475	1
Chloromethane	CHVOAMS07	0.209	0.500	0.597	2
cis-1,2-Dichloroethene	CHVOAMS07	0.157	0.500	0.547	1
cis-1,3-Dichloropropene	CHVOAMS07	0.160	0.500	0.507	1
Cyclohexane	CHVOAMS07	0.221	0.500	0.459	1
Cyclohexanone	CHVOAMS07	8.640	25.000	24.814	50
Dibromomethane	CHVOAMS07	0.520	0.500	0.661	1
Dichlorobromomethane	CHVOAMS07	0.153	0.500	0.513	1
Dichlorodifluoromethane	CHVOAMS07	0.859	0.500	0.516	1
Dichlorofluoromethane	CHVOAMS07	0.244	0.500	0.505	1
Ethyl acetate	CHVOAMS07	0.378	1.000	1.148	2
Ethyl acrylate	CHVOAMS07	0.232	0.500	0.305	2
Ethyl ether	CHVOAMS07	0.103	0.500	0.594	1
Ethyl methacrylate	CHVOAMS07	0.260	0.500	0.369	2
Ethylbenzene	CHVOAMS07	0.212	0.500	0.501	1
Ethylene Dibromide	CHVOAMS07	0.111	0.500	0.509	1
Hexachlorobutadiene	CHVOAMS07	0.215	0.500	0.498	1
Hexane	CHVOAMS07	0.256	0.500	0.473	1
Iodomethane	CHVOAMS07	0.158	0.500	0.549	2
Isobutyl alcohol	CHVOAMS07	2.190	12.500	13.682	50
Isopropyl alcohol	CHVOAMS07	3.720	5.000	5.144	10
Isopropyl ether	CHVOAMS07	0.141	0.500	0.447	1
Isopropylbenzene	CHVOAMS07	0.241	0.500	0.418	1
Methacrylonitrile	CHVOAMS07	1.160	5.000	5.257	10
Methyl acetate	CHVOAMS07	0.550	1.000	1.066	5
Methyl methacrylate	CHVOAMS07	0.220	1.000	1.307	2
Methyl tert-butyl ether	CHVOAMS07	0.105	0.500	0.574	1
Methylcyclohexane	CHVOAMS07	0.206	0.500	0.435	1
Methylene Chloride	CHVOAMS07	0.176	0.500	0.989	5
m-Xylene & p-Xylene	CHVOAMS07	0.205	0.500	0.474	1
Naphthalene	CHVOAMS07	0.129	0.500	0.413	2
n-Butyl acetate	CHVOAMS07	0.286	0.500	0.442	1
n-Butylbenzene	CHVOAMS07	0.212	0.500	0.412	1
n-Heptane	CHVOAMS07	0.265	0.500	0.425	1
N-Propylbenzene	CHVOAMS07	0.230	0.500	0.466	1
o-Xylene	CHVOAMS07	0.192	0.500	0.492	1
Propionitrile	CHVOAMS07	0.751	5.000	4.389	10
sec-Butylbenzene	CHVOAMS07	0.224	0.500	0.433	1
Styrene	CHVOAMS07	0.175	0.500	0.424	1
Tert-amyl methyl ether	CHVOAMS07	0.108	0.500	0.510	1
tert-Butylbenzene	CHVOAMS07	0.216	0.500	0.434	1
Tetrachloroethene	CHVOAMS07	0.333	0.500	0.504	1

DCS = Detection Check Standard

MQL = Method Quantitation Limit

**Matrix:** Water  
**Method:** 8260B\_LL  
**Prep Method:** 5030B  
**Date Analyzed:** 10/8/2019  
**Job #:** 600-193305  
**TALS Batch:** 276830  
**Units:** ug/L

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
Tetrahydrofuran	CHVOAMS07	0.690	1.000	0.763	5
Tetrahydropyran	CHVOAMS07	1.560	1.250	2.777	5
Toluene	CHVOAMS07	0.198	0.500	0.494	1
trans-1,2-Dichloroethene	CHVOAMS07	0.192	0.500	0.567	1
trans-1,3-Dichloropropene	CHVOAMS07	0.137	0.500	0.475	1
trans-1,4-Dichloro-2-butene	CHVOAMS07	0.640	0.500	0.619	2
Trichloroethene	CHVOAMS07	0.138	0.500	0.514	1
Trichlorofluoromethane	CHVOAMS07	0.244	0.500	0.475	1
Vinyl acetate	CHVOAMS07	0.854	1.000	1.011	2
Vinyl chloride	CHVOAMS07	0.248	0.500	0.531	2
Xylenes, Total	CHVOAMS07	0.366	1.000	0.960	2

**Matrix:** Water  
**Method:** 7470A  
**Prep Method:** 7470A\_Prep  
**Date Analyzed:** 10/31/2019  
**Job #:** 600-193182  
**TALS Batch:** 279145  
**Units:** ug/L

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
Hg	MHG01	0.082	0.250	0.077	0.2

**Matrix:** Water  
**Method:** 6010C  
**Prep Method:** 3010A  
**Date Analyzed:** 12/4/2019  
**Job #:** 600-193182  
**TALS Batch:** 282045  
**Units:** mg/L

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
Ag	Thermo6500	0.001	0.003	0.003	0.01
Al	Thermo6500	0.093	0.200	0.194	0.5
As	Thermo6500	0.003	0.008	0.007	0.01
B	Thermo6500	0.012	0.030	0.033	0.2
Ba	Thermo6500	0.001	0.001	0.001	0.02
Be	Thermo6500	0.000	0.001	0.001	0.005
Ca	Thermo6500	0.024	0.050	0.063	1
Cd	Thermo6500	0.000	0.001	0.001	0.005
Co	Thermo6500	0.000	0.001	0.001	0.01
Cr	Thermo6500	0.002	0.004	0.005	0.01
Cu	Thermo6500	0.008	0.020	0.023	0.01
Fe	Thermo6500	0.027	0.080	0.095	0.4
K	Thermo6500	0.037	0.100	0.125	1
Li	Thermo6500	0.002	0.004	0.004	0.2
Mg	Thermo6500	0.056	0.150	0.150	1
Mn	Thermo6500	0.000	0.001	0.001	0.01
Mo	Thermo6500	0.001	0.002	0.002	0.01
Na	Thermo6500	0.021	0.050	0.055	1
Ni	Thermo6500	0.001	0.002	0.002	0.01
Pb	Thermo6500	0.002	0.005	0.005	0.01
Sb	Thermo6500	0.004	0.010	0.012	0.05
Se	Thermo6500	0.003	0.008	0.011	0.04
Sn	Thermo6500	0.001	0.002	0.002	0.01
Sr	Thermo6500	0.000	0.001	0.001	0.005
Ti	Thermo6500	0.001	0.002	0.002	0.01
Tl	Thermo6500	0.004	0.012	0.017	0.03
V	Thermo6500	0.000	0.001	0.001	0.01
Zn	Thermo6500	0.004	0.010	0.012	0.03

**Matrix:** Water  
**Method:** SM 2540C  
**Date Analyzed:** 10/8/2019  
**Job #:** 600-193304  
**TALS Batch:** 276895  
**Units:** mg/L

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
Total Dissolved Solids	NOEQUIP	10.000	29.880	46.000	10

# Case Narrative

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Job ID: 600-202520-1

Laboratory: Eurofins TestAmerica, Houston

### Narrative

Job Narrative  
600-202520-1

### Comments

No additional comments.

### Receipt

The samples were received on 3/18/2020 10:14 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.2° C.

*All applicable analytical narratives can be found in the TRRP Checklist section of this report.*

# Method Summary

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL HOU
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	TAL HOU
300.0	Anions, Ion Chromatography	MCAWW	TAL HOU
6010B	Metals (ICP)	SW846	TAL HOU
7470A	Mercury (CVAA)	SW846	TAL HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL HOU
3010A	Preparation, Total Metals	SW846	TAL HOU
3510C LVI	Liquid-Liquid Extraction (Separatory Funnel) LVI	SW846	TAL HOU
5030B	Purge and Trap	SW846	TAL HOU
7470A	Preparation, Mercury	SW846	TAL HOU
TX_1005_W_Prep	Extraction - Texas Total petroleum Hyrdocarbons	TCEQ	TAL HOU

## Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

TCEQ = Texas Commission of Environmental Quality

## Laboratory References:

TAL HOU = Eurofins TestAmerica, Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

## Sample Summary

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
600-202520-1	MW1(B1)	Water	03/17/20 11:30	03/18/20 10:14	
600-202520-2	MW2(B4)	Water	03/17/20 10:30	03/18/20 10:14	

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# Detection Summary

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Client Sample ID: MW1(B1)

## Lab Sample ID: 600-202520-1

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type	
Acetone	6.01		5.00	0.447	ug/L	1		8260B	Total/NA	
Benzene	0.251	J	1.00	0.176	ug/L	1		8260B	Total/NA	
Chlorobenzene	8.93		1.00	0.185	ug/L	1		8260B	Total/NA	
Chloroform	1.37		1.00	0.151	ug/L	1		8260B	Total/NA	
1,1-Dichloroethene	0.718	J	1.00	0.192	ug/L	1		8260B	Total/NA	
trans-1,2-Dichloroethene	1.39		1.00	0.192	ug/L	1		8260B	Total/NA	
Methylene Chloride	0.396	J b	5.00	0.176	ug/L	1		8260B	Total/NA	
Styrene	0.743	J	1.00	0.175	ug/L	1		8260B	Total/NA	
Tetrachloroethene	0.359	J	1.00	0.333	ug/L	1		8260B	Total/NA	
o-Xylene	0.381	J	1.00	0.192	ug/L	1		8260B	Total/NA	
m-Xylene & p-Xylene	0.413	J	1.00	0.205	ug/L	1		8260B	Total/NA	
Xylenes, Total	0.794	J	1.00	0.366	ug/L	1		8260B	Total/NA	
cis-1,2-Dichloroethene	9.44		1.00	0.157	ug/L	1		8260B	Total/NA	
1,2-Dichloroethene, Total	10.8		2.00	0.355	ug/L	1		8260B	Total/NA	
Trichloroethene - DL	1060		50.0	6.90	ug/L	50		8260B	Total/NA	
Bis(2-ethylhexyl) phthalate	2.87		2.50	0.590	ug/L	1		8270C LL	Total/NA	
Dibenzofuran	0.281	J	1.50	0.160	ug/L	1		8270C LL	Total/NA	
Di-n-octyl phthalate	0.309	J b	5.00	0.160	ug/L	1		8270C LL	Total/NA	
Chloride	1290		40.0	5.34	mg/L	100		300.0	Total/NA	
Cr	0.00530	J		0.0100	0.00159	mg/L	1		6010B	Total/NA
Cd	0.00140	J		0.00500	0.000280	mg/L	1		6010B	Total/NA
Ba	0.118			0.0200	0.000530	mg/L	1		6010B	Total/NA
Total Dissolved Solids	7970		40.0	40.0	mg/L	1		SM 2540C	Total/NA	

## Client Sample ID: MW2(B4)

## Lab Sample ID: 600-202520-2

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	Dil Fac	D	Method	Prep Type	
Acetone	1.24	J	5.00	0.447	ug/L	1		8260B	Total/NA	
Benzene	0.325	J	1.00	0.176	ug/L	1		8260B	Total/NA	
Chloroform	4.41		1.00	0.151	ug/L	1		8260B	Total/NA	
1,1-Dichloroethene	0.277	J	1.00	0.192	ug/L	1		8260B	Total/NA	
trans-1,2-Dichloroethene	0.285	J	1.00	0.192	ug/L	1		8260B	Total/NA	
Methylene Chloride	0.256	J b	5.00	0.176	ug/L	1		8260B	Total/NA	
cis-1,2-Dichloroethene	1.91		1.00	0.157	ug/L	1		8260B	Total/NA	
1,2-Dichloroethene, Total	2.20		2.00	0.355	ug/L	1		8260B	Total/NA	
Trichloroethene - DL	406		50.0	6.90	ug/L	50		8260B	Total/NA	
Benzo[a]pyrene	0.164	J	1.44	0.125	ug/L	1		8270C LL	Total/NA	
Di-n-octyl phthalate	0.293	J	4.81	0.154	ug/L	1		8270C LL	Total/NA	
Chloride	3910		40.0	5.34	mg/L	100		300.0	Total/NA	
Cr	0.00270	J		0.0100	0.00159	mg/L	1		6010B	Total/NA
Cd	0.00100	J		0.00500	0.000280	mg/L	1		6010B	Total/NA
Ba	0.0617			0.0200	0.000530	mg/L	1		6010B	Total/NA
Total Dissolved Solids	7950		40.0	40.0	mg/L	1		SM 2540C	Total/NA	

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

**Client Sample ID: MW1(B1)**

**Lab Sample ID: 600-202520-1**

Matrix: Water

Date Collected: 03/17/20 11:30

Date Received: 03/18/20 10:14

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.01		5.00	0.447	ug/L			03/20/20 12:51	1
Benzene	0.251 J		1.00	0.176	ug/L			03/20/20 12:51	1
Chlorobromomethane	0.162 U		1.00	0.162	ug/L			03/20/20 12:51	1
Bromoform	0.151 U		1.00	0.151	ug/L			03/20/20 12:51	1
Bromomethane	0.250 U		2.00	0.250	ug/L			03/20/20 12:51	1
2-Butanone (MEK)	0.760 U		2.00	0.760	ug/L			03/20/20 12:51	1
Carbon disulfide	0.216 U		2.00	0.216	ug/L			03/20/20 12:51	1
Carbon tetrachloride	0.183 U		1.00	0.183	ug/L			03/20/20 12:51	1
Dibromochloromethane	0.119 U		1.00	0.119	ug/L			03/20/20 12:51	1
<b>Chlorobenzene</b>	<b>8.93</b>		1.00	0.185	ug/L			03/20/20 12:51	1
Chloroethane	0.240 U		2.00	0.240	ug/L			03/20/20 12:51	1
<b>Chloroform</b>	<b>1.37</b>		1.00	0.151	ug/L			03/20/20 12:51	1
Chloromethane	0.209 U		2.00	0.209	ug/L			03/20/20 12:51	1
1,1-Dichloroethane	0.168 U		1.00	0.168	ug/L			03/20/20 12:51	1
1,2-Dichloroethane	0.116 U		1.00	0.116	ug/L			03/20/20 12:51	1
<b>1,1-Dichloroethene</b>	<b>0.718 J</b>		1.00	0.192	ug/L			03/20/20 12:51	1
<b>trans-1,2-Dichloroethene</b>	<b>1.39</b>		1.00	0.192	ug/L			03/20/20 12:51	1
1,2-Dichloropropane	0.136 U		1.00	0.136	ug/L			03/20/20 12:51	1
cis-1,3-Dichloropropene	0.160 U		1.00	0.160	ug/L			03/20/20 12:51	1
trans-1,3-Dichloropropene	0.137 U		1.00	0.137	ug/L			03/20/20 12:51	1
Ethylbenzene	0.212 U		1.00	0.212	ug/L			03/20/20 12:51	1
2-Hexanone	0.265 U		2.00	0.265	ug/L			03/20/20 12:51	1
<b>Methylene Chloride</b>	<b>0.396 J b</b>		5.00	0.176	ug/L			03/20/20 12:51	1
4-Methyl-2-pentanone (MIBK)	0.348 U		2.00	0.348	ug/L			03/20/20 12:51	1
<b>Styrene</b>	<b>0.743 J</b>		1.00	0.175	ug/L			03/20/20 12:51	1
1,1,2,2-Tetrachloroethane	0.197 U		1.00	0.197	ug/L			03/20/20 12:51	1
<b>Tetrachloroethene</b>	<b>0.359 J</b>		1.00	0.333	ug/L			03/20/20 12:51	1
Toluene	0.198 U		1.00	0.198	ug/L			03/20/20 12:51	1
1,1,1-Trichloroethane	0.209 U		1.00	0.209	ug/L			03/20/20 12:51	1
1,1,2-Trichloroethane	0.209 U		1.00	0.209	ug/L			03/20/20 12:51	1
Vinyl acetate	0.854 U		2.00	0.854	ug/L			03/20/20 12:51	1
Vinyl chloride	0.248 U		2.00	0.248	ug/L			03/20/20 12:51	1
<b>o-Xylene</b>	<b>0.381 J</b>		1.00	0.192	ug/L			03/20/20 12:51	1
<b>m-Xylene &amp; p-Xylene</b>	<b>0.413 J</b>		1.00	0.205	ug/L			03/20/20 12:51	1
<b>Xylenes, Total</b>	<b>0.794 J</b>		1.00	0.366	ug/L			03/20/20 12:51	1
<b>cis-1,2-Dichloroethene</b>	<b>9.44</b>		1.00	0.157	ug/L			03/20/20 12:51	1
Bromodichloromethane	0.153 U		1.00	0.153	ug/L			03/20/20 12:51	1
<b>1,2-Dichloroethene, Total</b>	<b>10.8</b>		2.00	0.355	ug/L			03/20/20 12:51	1
Methyl tert-butyl ether	0.105 U		1.00	0.105	ug/L			03/20/20 12:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		70 - 130		03/20/20 12:51	1
Dibromofluoromethane	102		62 - 130		03/20/20 12:51	1
4-Bromofluorobenzene	107		67 - 139		03/20/20 12:51	1
1,2-Dichloroethane-d4 (Surr)	85		50 - 134		03/20/20 12:51	1

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1060		50.0	6.90	ug/L			03/23/20 13:54	50

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

**Client Sample ID: MW1(B1)**

Date Collected: 03/17/20 11:30

Date Received: 03/18/20 10:14

**Lab Sample ID: 600-202520-1**

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		70 - 130		03/23/20 13:54	50
Dibromofluoromethane	107		62 - 130		03/23/20 13:54	50
4-Bromofluorobenzene	105		67 - 139		03/23/20 13:54	50
1,2-Dichloroethane-d4 (Surr)	89		50 - 134		03/23/20 13:54	50

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.160	U	1.00	0.160	ug/L		03/20/20 10:14	03/20/20 17:22	1
Acenaphthylene	0.160	U	1.00	0.160	ug/L		03/20/20 10:14	03/20/20 17:22	1
Anthracene	0.440	U	1.50	0.440	ug/L		03/20/20 10:14	03/20/20 17:22	1
Benzo[a]anthracene	0.250	U	2.00	0.250	ug/L		03/20/20 10:14	03/20/20 17:22	1
Benzo[b]fluoranthene	0.180	U	2.00	0.180	ug/L		03/20/20 10:14	03/20/20 17:22	1
Benzo[k]fluoranthene	0.160	U	2.00	0.160	ug/L		03/20/20 10:14	03/20/20 17:22	1
Benzo[g,h,i]perylene	0.350	U	2.00	0.350	ug/L		03/20/20 10:14	03/20/20 17:22	1
Benzo[a]pyrene	0.130	U	1.50	0.130	ug/L		03/20/20 10:14	03/20/20 17:22	1
Bis(2-chloroethoxy)methane	0.190	U	1.50	0.190	ug/L		03/20/20 10:14	03/20/20 17:22	1
Bis(2-chloroethyl)ether	0.180	U	1.50	0.180	ug/L		03/20/20 10:14	03/20/20 17:22	1
<b>Bis(2-ethylhexyl) phthalate</b>	<b>2.87</b>		2.50	0.590	ug/L		03/20/20 10:14	03/20/20 17:22	1
4-Bromophenyl phenyl ether	0.250	U	1.50	0.250	ug/L		03/20/20 10:14	03/20/20 17:22	1
Butyl benzyl phthalate	0.850	U	2.50	0.850	ug/L		03/20/20 10:14	03/20/20 17:22	1
4-Chloroaniline	0.110	U *	1.00	0.110	ug/L		03/20/20 10:14	03/20/20 17:22	1
2-Chloronaphthalene	0.190	U	1.50	0.190	ug/L		03/20/20 10:14	03/20/20 17:22	1
4-Chlorophenyl phenyl ether	0.230	U	1.50	0.230	ug/L		03/20/20 10:14	03/20/20 17:22	1
Carbazole	0.350	U	5.00	0.350	ug/L		03/20/20 10:14	03/20/20 17:22	1
Chrysene	0.240	U	1.50	0.240	ug/L		03/20/20 10:14	03/20/20 17:22	1
Di-n-butyl phthalate	1.87	U	5.00	1.87	ug/L		03/20/20 10:14	03/20/20 17:22	1
Dibenz(a,h)anthracene	0.290	U	2.00	0.290	ug/L		03/20/20 10:14	03/20/20 17:22	1
<b>Dibenzofuran</b>	<b>0.281</b>	<b>J</b>	1.50	0.160	ug/L		03/20/20 10:14	03/20/20 17:22	1
3,3'-Dichlorobenzidine	0.320	U	5.00	0.320	ug/L		03/20/20 10:14	03/20/20 17:22	1
Diethyl phthalate	4.19	U	5.00	4.19	ug/L		03/20/20 10:14	03/20/20 17:22	1
Dimethyl phthalate	0.180	U	2.50	0.180	ug/L		03/20/20 10:14	03/20/20 17:22	1
2,4-Dinitrotoluene	0.320	U	1.50	0.320	ug/L		03/20/20 10:14	03/20/20 17:22	1
<b>Di-n-octyl phthalate</b>	<b>0.309</b>	<b>J b</b>	5.00	0.160	ug/L		03/20/20 10:14	03/20/20 17:22	1
Fluoranthene	0.310	U	2.00	0.310	ug/L		03/20/20 10:14	03/20/20 17:22	1
Fluorene	0.120	U	1.50	0.120	ug/L		03/20/20 10:14	03/20/20 17:22	1
Hexachlorobenzene	0.250	U	1.50	0.250	ug/L		03/20/20 10:14	03/20/20 17:22	1
Hexachlorocyclopentadiene	0.150	U	1.50	0.150	ug/L		03/20/20 10:14	03/20/20 17:22	1
Hexachloroethane	0.170	U	2.00	0.170	ug/L		03/20/20 10:14	03/20/20 17:22	1
Hexachlorobutadiene	0.190	U	2.00	0.190	ug/L		03/20/20 10:14	03/20/20 17:22	1
Indeno[1,2,3-cd]pyrene	0.290	U	2.00	0.290	ug/L		03/20/20 10:14	03/20/20 17:22	1
Isophorone	0.150	U	1.50	0.150	ug/L		03/20/20 10:14	03/20/20 17:22	1
2-Methylnaphthalene	0.140	U	1.50	0.140	ug/L		03/20/20 10:14	03/20/20 17:22	1
Naphthalene	0.160	U	2.00	0.160	ug/L		03/20/20 10:14	03/20/20 17:22	1
2-Nitroaniline	0.350	U	2.50	0.350	ug/L		03/20/20 10:14	03/20/20 17:22	1
3-Nitroaniline	0.130	U	2.50	0.130	ug/L		03/20/20 10:14	03/20/20 17:22	1
4-Nitroaniline	0.230	U *	2.50	0.230	ug/L		03/20/20 10:14	03/20/20 17:22	1
Nitrobenzene	0.200	U	1.50	0.200	ug/L		03/20/20 10:14	03/20/20 17:22	1
N-Nitrosodiphenylamine	0.330	U	1.50	0.330	ug/L		03/20/20 10:14	03/20/20 17:22	1
N-Nitrosodi-n-propylamine	0.240	U	2.50	0.240	ug/L		03/20/20 10:14	03/20/20 17:22	1
Phenanthrene	0.290	U	1.50	0.290	ug/L		03/20/20 10:14	03/20/20 17:22	1

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

**Client Sample ID: MW1(B1)**

**Lab Sample ID: 600-202520-1**

Matrix: Water

Date Collected: 03/17/20 11:30

Date Received: 03/18/20 10:14

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.330	U	2.00	0.330	ug/L		03/20/20 10:14	03/20/20 17:22	1
4-Chloro-3-methylphenol	0.250	U	1.00	0.250	ug/L		03/20/20 10:14	03/20/20 17:22	1
2-Chlorophenol	0.220	U	2.00	0.220	ug/L		03/20/20 10:14	03/20/20 17:22	1
2-Methylphenol	0.190	U	1.50	0.190	ug/L		03/20/20 10:14	03/20/20 17:22	1
3 & 4 Methylphenol	0.160	U	1.00	0.160	ug/L		03/20/20 10:14	03/20/20 17:22	1
2,4-Dichlorophenol	0.260	U	2.50	0.260	ug/L		03/20/20 10:14	03/20/20 17:22	1
2,4-Dimethylphenol	0.180	U	2.50	0.180	ug/L		03/20/20 10:14	03/20/20 17:22	1
4,6-Dinitro-2-methylphenol	0.160	U	2.00	0.160	ug/L		03/20/20 10:14	03/20/20 17:22	1
2,4-Dinitrophenol	0.400	U	5.00	0.400	ug/L		03/20/20 10:14	03/20/20 17:22	1
2-Nitrophenol	0.220	U	1.00	0.220	ug/L		03/20/20 10:14	03/20/20 17:22	1
4-Nitrophenol	0.330	U	2.50	0.330	ug/L		03/20/20 10:14	03/20/20 17:22	1
Pentachlorophenol	0.960	U	2.50	0.960	ug/L		03/20/20 10:14	03/20/20 17:22	1
Phenol	0.140	U	1.50	0.140	ug/L		03/20/20 10:14	03/20/20 17:22	1
2,4,5-Trichlorophenol	0.290	U	2.00	0.290	ug/L		03/20/20 10:14	03/20/20 17:22	1
2,4,6-Trichlorophenol	0.330	U	2.00	0.330	ug/L		03/20/20 10:14	03/20/20 17:22	1
2,6-Dinitrotoluene	0.290	U	1.00	0.290	ug/L		03/20/20 10:14	03/20/20 17:22	1
bis (2-Chloroisopropyl) ether	0.180	U	1.00	0.180	ug/L		03/20/20 10:14	03/20/20 17:22	1
1,1'-Biphenyl	0.730	U	1.50	0.730	ug/L		03/20/20 10:14	03/20/20 17:22	1
Acetophenone	0.680	U	1.50	0.680	ug/L		03/20/20 10:14	03/20/20 17:22	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Terphenyl-d14	65		52 - 130				03/20/20 10:14	03/20/20 17:22	1
Nitrobenzene-d5	42		40 - 130				03/20/20 10:14	03/20/20 17:22	1
2-Fluorophenol	22		12 - 130				03/20/20 10:14	03/20/20 17:22	1
2-Fluorobiphenyl	47		36 - 130				03/20/20 10:14	03/20/20 17:22	1
2,4,6-Tribromophenol	69		17 - 137				03/20/20 10:14	03/20/20 17:22	1
Phenol-d5 (Surr)	18		10 - 130				03/20/20 10:14	03/20/20 17:22	1

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.732	U	4.41	0.732	mg/L		03/20/20 10:27	03/20/20 14:31	1
>C12-C28	0.847	U	4.41	0.847	mg/L		03/20/20 10:27	03/20/20 14:31	1
>C28-C35	0.847	U	4.41	0.847	mg/L		03/20/20 10:27	03/20/20 14:31	1
C6-C35	0.732	U	4.41	0.732	mg/L		03/20/20 10:27	03/20/20 14:31	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
o-Terphenyl							03/20/20 10:27	03/20/20 14:31	1

## Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1290		40.0	5.34	mg/L			03/25/20 11:58	100

## Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	0.00219	U	0.0100	0.00219	mg/L		03/21/20 08:45	03/24/20 12:15	1
Cr	0.00530	J	0.0100	0.00159	mg/L		03/21/20 08:45	03/24/20 12:15	1
Cd	0.00140	J	0.00500	0.000280	mg/L		03/21/20 08:45	03/24/20 12:15	1
Ba	0.118		0.0200	0.000530	mg/L		03/21/20 08:45	03/24/20 12:15	1
As	0.00285	U	0.0100	0.00285	mg/L		03/21/20 08:45	03/24/20 12:15	1
Ag	0.00129	U	0.0100	0.00129	mg/L		03/21/20 08:45	03/24/20 12:15	1
Se	0.00287	U	0.0400	0.00287	mg/L		03/21/20 08:45	03/24/20 12:15	1

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# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## **Client Sample ID: MW1(B1)**

Date Collected: 03/17/20 11:30

Date Received: 03/18/20 10:14

## **Lab Sample ID: 600-202520-1**

Matrix: Water

### **Method: 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.103	U	0.250	0.103	ug/L		03/20/20 09:06	03/20/20 14:45	1

### **General Chemistry**

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	7970		40.0	40.0	mg/L			03/21/20 09:36	1

## **Client Sample ID: MW2(B4)**

Date Collected: 03/17/20 10:30

Date Received: 03/18/20 10:14

## **Lab Sample ID: 600-202520-2**

Matrix: Water

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.24	J	5.00	0.447	ug/L			03/19/20 17:13	1
Benzene	0.325	J	1.00	0.176	ug/L			03/19/20 17:13	1
Chlorobromomethane	0.162	U	1.00	0.162	ug/L			03/19/20 17:13	1
Bromoform	0.151	U	1.00	0.151	ug/L			03/19/20 17:13	1
Bromomethane	0.250	U *	2.00	0.250	ug/L			03/19/20 17:13	1
2-Butanone (MEK)	0.760	U	2.00	0.760	ug/L			03/19/20 17:13	1
Carbon disulfide	0.216	U	2.00	0.216	ug/L			03/19/20 17:13	1
Carbon tetrachloride	0.183	U	1.00	0.183	ug/L			03/19/20 17:13	1
Dibromochloromethane	0.119	U	1.00	0.119	ug/L			03/19/20 17:13	1
Chlorobenzene	0.185	U	1.00	0.185	ug/L			03/19/20 17:13	1
Chloroethane	0.240	U	2.00	0.240	ug/L			03/19/20 17:13	1
<b>Chloroform</b>	<b>4.41</b>		1.00	0.151	ug/L			03/19/20 17:13	1
Chloromethane	0.209	U	2.00	0.209	ug/L			03/19/20 17:13	1
1,1-Dichloroethane	0.168	U	1.00	0.168	ug/L			03/19/20 17:13	1
1,2-Dichloroethane	0.116	U	1.00	0.116	ug/L			03/19/20 17:13	1
<b>1,1-Dichloroethene</b>	<b>0.277</b>	<b>J</b>	1.00	0.192	ug/L			03/19/20 17:13	1
<b>trans-1,2-Dichloroethene</b>	<b>0.285</b>	<b>J</b>	1.00	0.192	ug/L			03/19/20 17:13	1
1,2-Dichloropropane	0.136	U	1.00	0.136	ug/L			03/19/20 17:13	1
cis-1,3-Dichloropropene	0.160	U	1.00	0.160	ug/L			03/19/20 17:13	1
trans-1,3-Dichloropropene	0.137	U	1.00	0.137	ug/L			03/19/20 17:13	1
Ethylbenzene	0.212	U	1.00	0.212	ug/L			03/19/20 17:13	1
2-Hexanone	0.265	U	2.00	0.265	ug/L			03/19/20 17:13	1
<b>Methylene Chloride</b>	<b>0.256</b>	<b>J b</b>	5.00	0.176	ug/L			03/19/20 17:13	1
4-Methyl-2-pentanone (MIBK)	0.348	U	2.00	0.348	ug/L			03/19/20 17:13	1
Styrene	0.175	U	1.00	0.175	ug/L			03/19/20 17:13	1
1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197	ug/L			03/19/20 17:13	1
Tetrachloroethene	0.333	U	1.00	0.333	ug/L			03/19/20 17:13	1
Toluene	0.198	U	1.00	0.198	ug/L			03/19/20 17:13	1
1,1,1-Trichloroethane	0.209	U	1.00	0.209	ug/L			03/19/20 17:13	1
1,1,2-Trichloroethane	0.209	U	1.00	0.209	ug/L			03/19/20 17:13	1
Vinyl acetate	0.854	U	2.00	0.854	ug/L			03/19/20 17:13	1
Vinyl chloride	0.248	U	2.00	0.248	ug/L			03/19/20 17:13	1
o-Xylene	0.192	U	1.00	0.192	ug/L			03/19/20 17:13	1
m-Xylene & p-Xylene	0.205	U	1.00	0.205	ug/L			03/19/20 17:13	1
Xylenes, Total	0.366	U	1.00	0.366	ug/L			03/19/20 17:13	1
<b>cis-1,2-Dichloroethene</b>	<b>1.91</b>		1.00	0.157	ug/L			03/19/20 17:13	1
Bromodichloromethane	0.153	U	1.00	0.153	ug/L			03/19/20 17:13	1
<b>1,2-Dichloroethene, Total</b>	<b>2.20</b>		2.00	0.355	ug/L			03/19/20 17:13	1

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# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

**Client Sample ID: MW2(B4)**

**Lab Sample ID: 600-202520-2**

Date Collected: 03/17/20 10:30

Matrix: Water

Date Received: 03/18/20 10:14

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.105	U	1.00	0.105	ug/L			03/19/20 17:13	1
<b>Surrogate</b>									
Toluene-d8 (Surr)	104		70 - 130				Prepared	03/19/20 17:13	1
Dibromofluoromethane	108		62 - 130					03/19/20 17:13	1
4-Bromofluorobenzene	104		67 - 139					03/19/20 17:13	1
1,2-Dichloroethane-d4 (Surr)	93		50 - 134					03/19/20 17:13	1

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	406		50.0	6.90	ug/L			03/20/20 13:15	50
<b>Surrogate</b>									
Toluene-d8 (Surr)	107		70 - 130				Prepared	03/20/20 13:15	50
Dibromofluoromethane	100		62 - 130					03/20/20 13:15	50
4-Bromofluorobenzene	107		67 - 139					03/20/20 13:15	50
1,2-Dichloroethane-d4 (Surr)	81		50 - 134					03/20/20 13:15	50

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.154	U	0.962	0.154	ug/L			03/23/20 13:28	03/24/20 05:00
Acenaphthylene	0.154	U	0.962	0.154	ug/L			03/23/20 13:28	03/24/20 05:00
Anthracene	0.423	U	1.44	0.423	ug/L			03/23/20 13:28	03/24/20 05:00
Benzo[a]anthracene	0.240	U	1.92	0.240	ug/L			03/23/20 13:28	03/24/20 05:00
Benzo[b]fluoranthene	0.173	U	1.92	0.173	ug/L			03/23/20 13:28	03/24/20 05:00
Benzo[k]fluoranthene	0.154	U	1.92	0.154	ug/L			03/23/20 13:28	03/24/20 05:00
Benzo[g,h,i]perylene	0.337	U	1.92	0.337	ug/L			03/23/20 13:28	03/24/20 05:00
<b>Benzo[a]pyrene</b>	<b>0.164 J</b>		1.44	0.125	ug/L			03/23/20 13:28	03/24/20 05:00
Bis(2-chloroethoxy)methane	0.183	U	1.44	0.183	ug/L			03/23/20 13:28	03/24/20 05:00
Bis(2-chloroethyl)ether	0.173	U	1.44	0.173	ug/L			03/23/20 13:28	03/24/20 05:00
Bis(2-ethylhexyl) phthalate	0.567	U	2.40	0.567	ug/L			03/23/20 13:28	03/24/20 05:00
4-Bromophenyl phenyl ether	0.240	U	1.44	0.240	ug/L			03/23/20 13:28	03/24/20 05:00
Butyl benzyl phthalate	0.817	U	2.40	0.817	ug/L			03/23/20 13:28	03/24/20 05:00
4-Chloroaniline	0.106	U *	0.962	0.106	ug/L			03/23/20 13:28	03/24/20 05:00
2-Chloronaphthalene	0.183	U	1.44	0.183	ug/L			03/23/20 13:28	03/24/20 05:00
4-Chlorophenyl phenyl ether	0.221	U	1.44	0.221	ug/L			03/23/20 13:28	03/24/20 05:00
Carbazole	0.337	U *	4.81	0.337	ug/L			03/23/20 13:28	03/24/20 05:00
Chrysene	0.231	U	1.44	0.231	ug/L			03/23/20 13:28	03/24/20 05:00
Di-n-butyl phthalate	1.80	U	4.81	1.80	ug/L			03/23/20 13:28	03/24/20 05:00
Dibenz(a,h)anthracene	0.279	U	1.92	0.279	ug/L			03/23/20 13:28	03/24/20 05:00
Dibenzofuran	0.154	U	1.44	0.154	ug/L			03/23/20 13:28	03/24/20 05:00
3,3'-Dichlorobenzidine	0.308	U	4.81	0.308	ug/L			03/23/20 13:28	03/24/20 05:00
Diethyl phthalate	4.03	U	4.81	4.03	ug/L			03/23/20 13:28	03/24/20 05:00
Dimethyl phthalate	0.173	U	2.40	0.173	ug/L			03/23/20 13:28	03/24/20 05:00
2,4-Dinitrotoluene	0.308	U	1.44	0.308	ug/L			03/23/20 13:28	03/24/20 05:00
<b>Di-n-octyl phthalate</b>	<b>0.293 J</b>		4.81	0.154	ug/L			03/23/20 13:28	03/24/20 05:00
Fluoranthene	0.298	U	1.92	0.298	ug/L			03/23/20 13:28	03/24/20 05:00
Fluorene	0.115	U	1.44	0.115	ug/L			03/23/20 13:28	03/24/20 05:00
Hexachlorobenzene	0.240	U	1.44	0.240	ug/L			03/23/20 13:28	03/24/20 05:00
Hexachlorocyclopentadiene	0.144	U	1.44	0.144	ug/L			03/23/20 13:28	03/24/20 05:00

Eurofins TestAmerica, Houston

# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

**Client Sample ID: MW2(B4)**

**Lab Sample ID: 600-202520-2**

Date Collected: 03/17/20 10:30

Matrix: Water

Date Received: 03/18/20 10:14

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	0.163	U	1.92	0.163	ug/L		03/23/20 13:28	03/24/20 05:00	1
Hexachlorobutadiene	0.183	U	1.92	0.183	ug/L		03/23/20 13:28	03/24/20 05:00	1
Indeno[1,2,3-cd]pyrene	0.279	U	1.92	0.279	ug/L		03/23/20 13:28	03/24/20 05:00	1
Isophorone	0.144	U	1.44	0.144	ug/L		03/23/20 13:28	03/24/20 05:00	1
2-Methylnaphthalene	0.135	U	1.44	0.135	ug/L		03/23/20 13:28	03/24/20 05:00	1
Naphthalene	0.154	U	1.92	0.154	ug/L		03/23/20 13:28	03/24/20 05:00	1
2-Nitroaniline	0.337	U	2.40	0.337	ug/L		03/23/20 13:28	03/24/20 05:00	1
3-Nitroaniline	0.125	U	2.40	0.125	ug/L		03/23/20 13:28	03/24/20 05:00	1
4-Nitroaniline	0.221	U *	2.40	0.221	ug/L		03/23/20 13:28	03/24/20 05:00	1
Nitrobenzene	0.192	U	1.44	0.192	ug/L		03/23/20 13:28	03/24/20 05:00	1
N-Nitrosodiphenylamine	0.317	U	1.44	0.317	ug/L		03/23/20 13:28	03/24/20 05:00	1
N-Nitrosodi-n-propylamine	0.231	U	2.40	0.231	ug/L		03/23/20 13:28	03/24/20 05:00	1
Phenanthrene	0.279	U	1.44	0.279	ug/L		03/23/20 13:28	03/24/20 05:00	1
Pyrene	0.317	U	1.92	0.317	ug/L		03/23/20 13:28	03/24/20 05:00	1
4-Chloro-3-methylphenol	0.240	U	0.962	0.240	ug/L		03/23/20 13:28	03/24/20 05:00	1
2-Chlorophenol	0.212	U	1.92	0.212	ug/L		03/23/20 13:28	03/24/20 05:00	1
2-Methylphenol	0.183	U	1.44	0.183	ug/L		03/23/20 13:28	03/24/20 05:00	1
3 & 4 Methylphenol	0.154	U	0.962	0.154	ug/L		03/23/20 13:28	03/24/20 05:00	1
2,4-Dichlorophenol	0.250	U	2.40	0.250	ug/L		03/23/20 13:28	03/24/20 05:00	1
2,4-Dimethylphenol	0.173	U	2.40	0.173	ug/L		03/23/20 13:28	03/24/20 05:00	1
4,6-Dinitro-2-methylphenol	0.154	U	1.92	0.154	ug/L		03/23/20 13:28	03/24/20 05:00	1
2,4-Dinitrophenol	0.385	U *	4.81	0.385	ug/L		03/23/20 13:28	03/24/20 05:00	1
2-Nitrophenol	0.212	U	0.962	0.212	ug/L		03/23/20 13:28	03/24/20 05:00	1
4-Nitrophenol	0.317	U	2.40	0.317	ug/L		03/23/20 13:28	03/24/20 05:00	1
Pentachlorophenol	0.923	U	2.40	0.923	ug/L		03/23/20 13:28	03/24/20 05:00	1
Phenol	0.135	U	1.44	0.135	ug/L		03/23/20 13:28	03/24/20 05:00	1
2,4,5-Trichlorophenol	0.279	U	1.92	0.279	ug/L		03/23/20 13:28	03/24/20 05:00	1
2,4,6-Trichlorophenol	0.317	U	1.92	0.317	ug/L		03/23/20 13:28	03/24/20 05:00	1
2,6-Dinitrotoluene	0.279	U	0.962	0.279	ug/L		03/23/20 13:28	03/24/20 05:00	1
bis (2-Chloroisopropyl) ether	0.173	U	0.962	0.173	ug/L		03/23/20 13:28	03/24/20 05:00	1
1,1'-Biphenyl	0.702	U	1.44	0.702	ug/L		03/23/20 13:28	03/24/20 05:00	1
Acetophenone	0.654	U	1.44	0.654	ug/L		03/23/20 13:28	03/24/20 05:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	62		52 - 130			1
Nitrobenzene-d5	35	X	40 - 130			1
2-Fluorophenol	21		12 - 130			1
2-Fluorobiphenyl	37		36 - 130			1
2,4,6-Tribromophenol	41		17 - 137			1
Phenol-d5 (Surr)	15		10 - 130			1

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.741	U	4.46	0.741	mg/L		03/20/20 10:27	03/20/20 15:02	1
>C12-C28	0.857	U	4.46	0.857	mg/L		03/20/20 10:27	03/20/20 15:02	1
>C28-C35	0.857	U	4.46	0.857	mg/L		03/20/20 10:27	03/20/20 15:02	1
C6-C35	0.741	U	4.46	0.741	mg/L		03/20/20 10:27	03/20/20 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl						1

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# Client Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

**Client Sample ID: MW2(B4)**

**Lab Sample ID: 600-202520-2**

Matrix: Water

Date Collected: 03/17/20 10:30

Date Received: 03/18/20 10:14

**Method: 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3910		40.0	5.34	mg/L			03/23/20 20:57	100

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

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	0.00219	U	0.0100	0.00219	mg/L		03/21/20 08:45	03/24/20 12:17	1
Cr	0.00270	J	0.0100	0.00159	mg/L		03/21/20 08:45	03/24/20 12:17	1
Cd	0.00100	J	0.00500	0.000280	mg/L		03/21/20 08:45	03/24/20 12:17	1
Ba	0.0617		0.0200	0.000530	mg/L		03/21/20 08:45	03/24/20 12:17	1
As	0.00285	U	0.0100	0.00285	mg/L		03/21/20 08:45	03/24/20 12:17	1
Ag	0.00129	U	0.0100	0.00129	mg/L		03/21/20 08:45	03/24/20 12:17	1
Se	0.00287	U	0.0400	0.00287	mg/L		03/21/20 08:45	03/24/20 12:17	1

**Method: 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.103	U	0.250	0.103	ug/L		03/20/20 09:06	03/20/20 14:47	1

**General Chemistry**

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	7950		40.0	40.0	mg/L			03/21/20 09:36	1

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# Definitions/Glossary

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
b	The compound was found in the blank and sample
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.

### GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
b	The compound was found in the blank and sample
E	Result is greater than the UQL and the concentration is an estimated value.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
N1	MS, MSD: Spike recovery exceeds upper or lower control limits.
N2	RPD of the MS and MSD exceeds the control limits
U	Analyte was not detected at or above the SDL.
X	Surrogate recovery exceeds control limits

### GC Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

### HPLC/IC

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

### Metals

Qualifier	Qualifier Description
F	Duplicate RPD exceeds the control limit
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.

### General Chemistry

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

## Glossary

### Abbreviation

These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit

## Definitions/Glossary

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

### Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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# Surrogate Summary

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (70-130)	DBFM (62-130)	BFB (67-139)	DCA (50-134)
600-202520-1	MW1(B1)	111	102	107	85
600-202520-1 - DL	MW1(B1)	104	107	105	89
600-202520-2	MW2(B4)	104	108	104	93
600-202520-2 - DL	MW2(B4)	107	100	107	81
LCS 600-290648/3	Lab Control Sample	109	109	103	95
LCS 600-290775/3	Lab Control Sample	107	102	107	85
LCS 600-290891/3	Lab Control Sample	108	104	107	89
LCSD 600-290648/4	Lab Control Sample Dup	107	107	100	96
LCSD 600-290775/4	Lab Control Sample Dup	108	101	106	85
LCSD 600-290891/4	Lab Control Sample Dup	106	108	109	93
MB 600-290648/6	Method Blank	105	108	103	93
MB 600-290775/6	Method Blank	105	102	106	82
MB 600-290891/6	Method Blank	101	106	106	89

### Surrogate Legend

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane

BFB = 4-Bromofluorobenzene

DCA = 1,2-Dichloroethane-d4 (Surr)

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TPHL (52-130)	NBZ (40-130)	2FP (12-130)	FBP (36-130)	TBP (17-137)	PHL (10-130)
600-202520-1	MW1(B1)	65	42	22	47	69	18
600-202520-2	MW2(B4)	62	35 X	21	37	41	15
600-202616-A-4-B MS	Matrix Spike	73	68	35	68	75	25
600-202616-A-4-C MSD	Matrix Spike Duplicate	65	59	29	60	50	22
LCS 600-290795/2-A	Lab Control Sample	77	69	40	68	73	31
LCS 600-290948/2-A	Lab Control Sample	75	58	34	62	68	27
LCSD 600-290795/3-A	Lab Control Sample Dup	73	70	37	69	73	29
LCSD 600-290948/3-A	Lab Control Sample Dup	76	62	34	64	70	28
MB 600-290795/1-A	Method Blank	69	62	39	61	52	28
MB 600-290948/1-A	Method Blank	79	56	35	58	61	26

### Surrogate Legend

TPHL = Terphenyl-d14

NBZ = Nitrobenzene-d5

2FP = 2-Fluorophenol

FBP = 2-Fluorobiphenyl

TBP = 2,4,6-Tribromophenol

PHL = Phenol-d5 (Surr)

# Surrogate Summary

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)									
		OTPH									
600-202520-1	MW1(B1)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
600-202520-2	MW2(B4)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
LCSD 600-290796/3-A	Lab Control Sample Dup	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MB 600-290796/1-A	Method Blank	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

### Surrogate Legend

OTPH = o-Terphenyl

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

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

**Lab Sample ID: MB 600-290648/6**

**Matrix: Water**

**Analysis Batch: 290648**

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

Analyte	MB	MB	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier				
Acetone	0.447	U	5.00	0.447	ug/L	1
Benzene	0.176	U	1.00	0.176	ug/L	1
Chlorobromomethane	0.162	U	1.00	0.162	ug/L	1
Bromoform	0.151	U	1.00	0.151	ug/L	1
Bromomethane	0.250	U	2.00	0.250	ug/L	1
2-Butanone (MEK)	0.760	U	2.00	0.760	ug/L	1
Carbon disulfide	0.216	U	2.00	0.216	ug/L	1
Carbon tetrachloride	0.183	U	1.00	0.183	ug/L	1
Dibromochloromethane	0.119	U	1.00	0.119	ug/L	1
Chlorobenzene	0.185	U	1.00	0.185	ug/L	1
Chloroethane	0.240	U	2.00	0.240	ug/L	1
Chloroform	0.151	U	1.00	0.151	ug/L	1
Chloromethane	0.209	U	2.00	0.209	ug/L	1
1,1-Dichloroethane	0.168	U	1.00	0.168	ug/L	1
1,2-Dichloroethane	0.116	U	1.00	0.116	ug/L	1
1,1-Dichloroethene	0.192	U	1.00	0.192	ug/L	1
trans-1,2-Dichloroethene	0.192	U	1.00	0.192	ug/L	1
1,2-Dichloropropane	0.136	U	1.00	0.136	ug/L	1
cis-1,3-Dichloropropene	0.160	U	1.00	0.160	ug/L	1
trans-1,3-Dichloropropene	0.137	U	1.00	0.137	ug/L	1
Ethylbenzene	0.212	U	1.00	0.212	ug/L	1
2-Hexanone	0.265	U	2.00	0.265	ug/L	1
Methylene Chloride	0.3491	J	5.00	0.176	ug/L	1
4-Methyl-2-pentanone (MIBK)	0.348	U	2.00	0.348	ug/L	1
Styrene	0.175	U	1.00	0.175	ug/L	1
1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197	ug/L	1
Tetrachloroethene	0.333	U	1.00	0.333	ug/L	1
Toluene	0.198	U	1.00	0.198	ug/L	1
1,1,1-Trichloroethane	0.209	U	1.00	0.209	ug/L	1
1,1,2-Trichloroethane	0.209	U	1.00	0.209	ug/L	1
Trichloroethene	0.138	U	1.00	0.138	ug/L	1
Vinyl acetate	0.854	U	2.00	0.854	ug/L	1
Vinyl chloride	0.248	U	2.00	0.248	ug/L	1
o-Xylene	0.192	U	1.00	0.192	ug/L	1
m-Xylene & p-Xylene	0.205	U	1.00	0.205	ug/L	1
Xylenes, Total	0.366	U	1.00	0.366	ug/L	1
cis-1,2-Dichloroethene	0.157	U	1.00	0.157	ug/L	1
Bromodichloromethane	0.153	U	1.00	0.153	ug/L	1
1,2-Dichloroethene, Total	0.355	U	2.00	0.355	ug/L	1
Methyl tert-butyl ether	0.105	U	1.00	0.105	ug/L	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	105		70 - 130		03/19/20 11:09	1
Dibromofluoromethane	108		62 - 130		03/19/20 11:09	1
4-Bromofluorobenzene	103		67 - 139		03/19/20 11:09	1
1,2-Dichloroethane-d4 (Surr)	93		50 - 134		03/19/20 11:09	1

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

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

**Lab Sample ID: LCS 600-290648/3**

**Matrix: Water**

**Analysis Batch: 290648**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	16.15		ug/L		81	18 - 144
Benzene	10.0	9.804		ug/L		98	70 - 130
Chlorobromomethane	10.0	10.04		ug/L		100	58 - 130
Bromoform	10.0	9.777		ug/L		98	54 - 133
Bromomethane	10.0	15.39 *		ug/L		154	25 - 150
2-Butanone (MEK)	20.0	18.68		ug/L		93	41 - 141
Carbon disulfide	10.0	8.716		ug/L		87	55 - 150
Carbon tetrachloride	10.0	11.88		ug/L		119	70 - 144
Dibromochloromethane	10.0	11.00		ug/L		110	62 - 130
Chlorobenzene	10.0	9.850		ug/L		98	69 - 130
Chloroethane	10.0	12.77		ug/L		128	47 - 150
Chloroform	10.0	9.862		ug/L		99	70 - 130
Chloromethane	10.0	9.717		ug/L		97	10 - 150
1,1-Dichloroethane	10.0	9.524		ug/L		95	70 - 140
1,2-Dichloroethane	10.0	10.09		ug/L		101	67 - 134
1,1-Dichloroethene	10.0	10.05		ug/L		100	58 - 148
trans-1,2-Dichloroethene	10.0	10.17		ug/L		102	68 - 131
1,2-Dichloropropane	10.0	9.823		ug/L		98	70 - 130
cis-1,3-Dichloropropene	10.0	9.939		ug/L		99	57 - 130
trans-1,3-Dichloropropene	10.0	10.07		ug/L		101	60 - 130
Ethylbenzene	10.0	10.24		ug/L		102	70 - 130
2-Hexanone	20.0	22.10		ug/L		110	56 - 130
Methylene Chloride	10.0	9.770		ug/L		98	55 - 147
4-Methyl-2-pentanone (MIBK)	20.0	21.57		ug/L		108	62 - 136
Styrene	10.0	10.87		ug/L		109	70 - 130
1,1,2,2-Tetrachloroethane	10.0	8.142		ug/L		81	58 - 133
Tetrachloroethene	10.0	11.17		ug/L		112	47 - 150
Toluene	10.0	10.10		ug/L		101	70 - 130
1,1,1-Trichloroethane	10.0	11.03		ug/L		110	70 - 136
1,1,2-Trichloroethane	10.0	10.47		ug/L		105	70 - 130
Trichloroethene	10.0	10.49		ug/L		105	70 - 130
Vinyl acetate	20.0	23.28		ug/L		116	10 - 150
Vinyl chloride	10.0	9.800		ug/L		98	33 - 150
o-Xylene	10.0	10.39		ug/L		104	70 - 130
m-Xylene & p-Xylene	10.0	10.34		ug/L		103	70 - 130
Xylenes, Total	20.0	20.73		ug/L		104	70 - 130
cis-1,2-Dichloroethene	10.0	9.995		ug/L		100	68 - 130
Bromodichloromethane	10.0	10.75		ug/L		108	70 - 131
1,2-Dichloroethene, Total	20.0	20.17		ug/L		101	69 - 130
Methyl tert-butyl ether	10.0	10.43		ug/L		104	56 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	109		70 - 130
Dibromofluoromethane	109		62 - 130
4-Bromofluorobenzene	103		67 - 139
1,2-Dichloroethane-d4 (Surr)	95		50 - 134

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

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

**Lab Sample ID: LCSD 600-290648/4**

**Matrix: Water**

**Analysis Batch: 290648**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	20.0	16.87		ug/L		84	18 - 144	4	20
Benzene	10.0	9.532		ug/L		95	70 - 130	3	20
Chlorobromomethane	10.0	9.895		ug/L		99	58 - 130	1	20
Bromoform	10.0	9.312		ug/L		93	54 - 133	5	20
Bromomethane	10.0	15.25 *		ug/L		153	25 - 150	1	20
2-Butanone (MEK)	20.0	17.05		ug/L		85	41 - 141	9	20
Carbon disulfide	10.0	8.852		ug/L		89	55 - 150	2	20
Carbon tetrachloride	10.0	11.49		ug/L		115	70 - 144	3	20
Dibromochloromethane	10.0	11.07		ug/L		111	62 - 130	1	20
Chlorobenzene	10.0	9.565		ug/L		96	69 - 130	3	20
Chloroethane	10.0	12.90		ug/L		129	47 - 150	1	20
Chloroform	10.0	9.802		ug/L		98	70 - 130	1	20
Chloromethane	10.0	10.08		ug/L		101	10 - 150	4	20
1,1-Dichloroethane	10.0	9.472		ug/L		95	70 - 140	1	20
1,2-Dichloroethane	10.0	9.884		ug/L		99	67 - 134	2	20
1,1-Dichloroethene	10.0	10.04		ug/L		100	58 - 148	0	20
trans-1,2-Dichloroethene	10.0	9.877		ug/L		99	68 - 131	3	20
1,2-Dichloropropane	10.0	9.916		ug/L		99	70 - 130	1	20
cis-1,3-Dichloropropene	10.0	10.07		ug/L		101	57 - 130	1	20
trans-1,3-Dichloropropene	10.0	10.08		ug/L		101	60 - 130	0	20
Ethylbenzene	10.0	10.06		ug/L		101	70 - 130	2	20
2-Hexanone	20.0	21.03		ug/L		105	56 - 130	5	20
Methylene Chloride	10.0	10.03		ug/L		100	55 - 147	3	20
4-Methyl-2-pentanone (MIBK)	20.0	20.05		ug/L		100	62 - 136	7	20
Styrene	10.0	10.67		ug/L		107	70 - 130	2	20
1,1,2,2-Tetrachloroethane	10.0	8.169		ug/L		82	58 - 133	0	20
Tetrachloroethene	10.0	10.87		ug/L		109	47 - 150	3	20
Toluene	10.0	10.14		ug/L		101	70 - 130	0	20
1,1,1-Trichloroethane	10.0	10.96		ug/L		110	70 - 136	1	20
1,1,2-Trichloroethane	10.0	10.37		ug/L		104	70 - 130	1	20
Trichloroethene	10.0	10.25		ug/L		103	70 - 130	2	20
Vinyl acetate	20.0	22.74		ug/L		114	10 - 150	2	20
Vinyl chloride	10.0	9.992		ug/L		100	33 - 150	2	20
o-Xylene	10.0	10.18		ug/L		102	70 - 130	2	20
m-Xylene & p-Xylene	10.0	10.27		ug/L		103	70 - 130	1	20
Xylenes, Total	20.0	20.45		ug/L		102	70 - 130	1	20
cis-1,2-Dichloroethene	10.0	10.01		ug/L		100	68 - 130	0	20
Bromodichloromethane	10.0	10.50		ug/L		105	70 - 131	2	20
1,2-Dichloroethene, Total	20.0	19.89		ug/L		99	69 - 130	1	20
Methyl tert-butyl ether	10.0	10.32		ug/L		103	56 - 132	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	107		70 - 130
Dibromofluoromethane	107		62 - 130
4-Bromofluorobenzene	100		67 - 139
1,2-Dichloroethane-d4 (Surr)	96		50 - 134

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

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

**Lab Sample ID: MB 600-290775/6**

**Matrix: Water**

**Analysis Batch: 290775**

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

Analyte	MB	MB	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier				
Acetone	0.447	U			03/20/20 12:03	1
Benzene	0.176	U			03/20/20 12:03	1
Chlorobromomethane	0.162	U			03/20/20 12:03	1
Bromoform	0.151	U			03/20/20 12:03	1
Bromomethane	0.250	U			03/20/20 12:03	1
2-Butanone (MEK)	0.760	U			03/20/20 12:03	1
Carbon disulfide	0.216	U			03/20/20 12:03	1
Carbon tetrachloride	0.183	U			03/20/20 12:03	1
Dibromochloromethane	0.119	U			03/20/20 12:03	1
Chlorobenzene	0.185	U			03/20/20 12:03	1
Chloroethane	0.240	U			03/20/20 12:03	1
Chloroform	0.151	U			03/20/20 12:03	1
Chloromethane	0.209	U			03/20/20 12:03	1
1,1-Dichloroethane	0.168	U			03/20/20 12:03	1
1,2-Dichloroethane	0.116	U			03/20/20 12:03	1
1,1-Dichloroethene	0.192	U			03/20/20 12:03	1
trans-1,2-Dichloroethene	0.192	U			03/20/20 12:03	1
1,2-Dichloropropane	0.136	U			03/20/20 12:03	1
cis-1,3-Dichloropropene	0.160	U			03/20/20 12:03	1
trans-1,3-Dichloropropene	0.137	U			03/20/20 12:03	1
Ethylbenzene	0.212	U			03/20/20 12:03	1
2-Hexanone	0.265	U			03/20/20 12:03	1
Methylene Chloride	0.3831	J			03/20/20 12:03	1
4-Methyl-2-pentanone (MIBK)	0.348	U			03/20/20 12:03	1
Styrene	0.175	U			03/20/20 12:03	1
1,1,2,2-Tetrachloroethane	0.197	U			03/20/20 12:03	1
Tetrachloroethene	0.333	U			03/20/20 12:03	1
Toluene	0.198	U			03/20/20 12:03	1
1,1,1-Trichloroethane	0.209	U			03/20/20 12:03	1
1,1,2-Trichloroethane	0.209	U			03/20/20 12:03	1
Trichloroethene	0.138	U			03/20/20 12:03	1
Vinyl acetate	0.854	U			03/20/20 12:03	1
Vinyl chloride	0.248	U			03/20/20 12:03	1
o-Xylene	0.192	U			03/20/20 12:03	1
m-Xylene & p-Xylene	0.205	U			03/20/20 12:03	1
Xylenes, Total	0.366	U			03/20/20 12:03	1
cis-1,2-Dichloroethene	0.157	U			03/20/20 12:03	1
Bromodichloromethane	0.153	U			03/20/20 12:03	1
1,2-Dichloroethene, Total	0.355	U			03/20/20 12:03	1
Methyl tert-butyl ether	0.105	U			03/20/20 12:03	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	105		70 - 130		03/20/20 12:03	1
Dibromofluoromethane	102		62 - 130		03/20/20 12:03	1
4-Bromofluorobenzene	106		67 - 139		03/20/20 12:03	1
1,2-Dichloroethane-d4 (Surr)	82		50 - 134		03/20/20 12:03	1

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

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

**Lab Sample ID: LCS 600-290775/3**

**Matrix: Water**

**Analysis Batch: 290775**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	16.32		ug/L		82	18 - 144
Benzene	10.0	9.318		ug/L		93	70 - 130
Chlorobromomethane	10.0	8.801		ug/L		88	58 - 130
Bromoform	10.0	9.219		ug/L		92	54 - 133
Bromomethane	10.0	11.63		ug/L		116	25 - 150
2-Butanone (MEK)	20.0	15.68		ug/L		78	41 - 141
Carbon disulfide	10.0	8.986		ug/L		90	55 - 150
Carbon tetrachloride	10.0	10.63		ug/L		106	70 - 144
Dibromochloromethane	10.0	9.614		ug/L		96	62 - 130
Chlorobenzene	10.0	8.821		ug/L		88	69 - 130
Chloroethane	10.0	11.30		ug/L		113	47 - 150
Chloroform	10.0	9.166		ug/L		92	70 - 130
Chloromethane	10.0	8.389		ug/L		84	10 - 150
1,1-Dichloroethane	10.0	9.467		ug/L		95	70 - 140
1,2-Dichloroethane	10.0	8.669		ug/L		87	67 - 134
1,1-Dichloroethene	10.0	10.34		ug/L		103	58 - 148
trans-1,2-Dichloroethene	10.0	9.986		ug/L		100	68 - 131
1,2-Dichloropropane	10.0	9.204		ug/L		92	70 - 130
cis-1,3-Dichloropropene	10.0	9.324		ug/L		93	57 - 130
trans-1,3-Dichloropropene	10.0	8.742		ug/L		87	60 - 130
Ethylbenzene	10.0	9.576		ug/L		96	70 - 130
2-Hexanone	20.0	19.29		ug/L		96	56 - 130
Methylene Chloride	10.0	9.106		ug/L		91	55 - 147
4-Methyl-2-pentanone (MIBK)	20.0	17.88		ug/L		89	62 - 136
Styrene	10.0	9.674		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	10.0	8.366		ug/L		84	58 - 133
Tetrachloroethene	10.0	9.838		ug/L		98	47 - 150
Toluene	10.0	9.763		ug/L		98	70 - 130
1,1,1-Trichloroethane	10.0	10.30		ug/L		103	70 - 136
1,1,2-Trichloroethane	10.0	9.261		ug/L		93	70 - 130
Trichloroethene	10.0	9.451		ug/L		95	70 - 130
Vinyl acetate	20.0	19.68		ug/L		98	10 - 150
Vinyl chloride	10.0	9.652		ug/L		97	33 - 150
o-Xylene	10.0	9.440		ug/L		94	70 - 130
m-Xylene & p-Xylene	10.0	9.571		ug/L		96	70 - 130
Xylenes, Total	20.0	19.01		ug/L		95	70 - 130
cis-1,2-Dichloroethene	10.0	9.439		ug/L		94	68 - 130
Bromodichloromethane	10.0	9.116		ug/L		91	70 - 131
1,2-Dichloroethene, Total	20.0	19.43		ug/L		97	69 - 130
Methyl tert-butyl ether	10.0	9.340		ug/L		93	56 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	107		70 - 130
Dibromofluoromethane	102		62 - 130
4-Bromofluorobenzene	107		67 - 139
1,2-Dichloroethane-d4 (Surr)	85		50 - 134

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

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

**Lab Sample ID: LCSD 600-290775/4**

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

**Matrix: Water**  
**Analysis Batch: 290775**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	20.0	16.51		ug/L		83	18 - 144	1	20
Benzene	10.0	9.589		ug/L		96	70 - 130	3	20
Chlorobromomethane	10.0	8.916		ug/L		89	58 - 130	1	20
Bromoform	10.0	9.240		ug/L		92	54 - 133	0	20
Bromomethane	10.0	11.44		ug/L		114	25 - 150	2	20
2-Butanone (MEK)	20.0	15.00		ug/L		75	41 - 141	4	20
Carbon disulfide	10.0	8.939		ug/L		89	55 - 150	1	20
Carbon tetrachloride	10.0	10.77		ug/L		108	70 - 144	1	20
Dibromochloromethane	10.0	10.04		ug/L		100	62 - 130	4	20
Chlorobenzene	10.0	9.091		ug/L		91	69 - 130	3	20
Chloroethane	10.0	10.86		ug/L		109	47 - 150	4	20
Chloroform	10.0	9.301		ug/L		93	70 - 130	1	20
Chloromethane	10.0	8.124		ug/L		81	10 - 150	3	20
1,1-Dichloroethane	10.0	9.504		ug/L		95	70 - 140	0	20
1,2-Dichloroethane	10.0	8.769		ug/L		88	67 - 134	1	20
1,1-Dichloroethene	10.0	10.25		ug/L		103	58 - 148	1	20
trans-1,2-Dichloroethene	10.0	9.879		ug/L		99	68 - 131	1	20
1,2-Dichloropropane	10.0	9.480		ug/L		95	70 - 130	3	20
cis-1,3-Dichloropropene	10.0	9.876		ug/L		99	57 - 130	6	20
trans-1,3-Dichloropropene	10.0	9.155		ug/L		92	60 - 130	5	20
Ethylbenzene	10.0	9.673		ug/L		97	70 - 130	1	20
2-Hexanone	20.0	19.30		ug/L		96	56 - 130	0	20
Methylene Chloride	10.0	9.186		ug/L		92	55 - 147	1	20
4-Methyl-2-pentanone (MIBK)	20.0	18.54		ug/L		93	62 - 136	4	20
Styrene	10.0	10.14		ug/L		101	70 - 130	5	20
1,1,2,2-Tetrachloroethane	10.0	8.630		ug/L		86	58 - 133	3	20
Tetrachloroethene	10.0	10.17		ug/L		102	47 - 150	3	20
Toluene	10.0	9.962		ug/L		100	70 - 130	2	20
1,1,1-Trichloroethane	10.0	10.29		ug/L		103	70 - 136	0	20
1,1,2-Trichloroethane	10.0	9.806		ug/L		98	70 - 130	6	20
Trichloroethene	10.0	9.652		ug/L		97	70 - 130	2	20
Vinyl acetate	20.0	20.63		ug/L		103	10 - 150	5	20
Vinyl chloride	10.0	8.635		ug/L		86	33 - 150	11	20
o-Xylene	10.0	9.635		ug/L		96	70 - 130	2	20
m-Xylene & p-Xylene	10.0	9.746		ug/L		97	70 - 130	2	20
Xylenes, Total	20.0	19.38		ug/L		97	70 - 130	2	20
cis-1,2-Dichloroethene	10.0	9.619		ug/L		96	68 - 130	2	20
Bromodichloromethane	10.0	9.266		ug/L		93	70 - 131	2	20
1,2-Dichloroethene, Total	20.0	19.50		ug/L		97	69 - 130	0	20
Methyl tert-butyl ether	10.0	9.454		ug/L		95	56 - 132	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	108		70 - 130
Dibromofluoromethane	101		62 - 130
4-Bromofluorobenzene	106		67 - 139
1,2-Dichloroethane-d4 (Surr)	85		50 - 134

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

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

**Lab Sample ID: MB 600-290891/6**

**Matrix: Water**

**Analysis Batch: 290891**

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

Analyte	MB	MB	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier				
Acetone	0.447	U	5.00	0.447	ug/L	1
Benzene	0.176	U	1.00	0.176	ug/L	1
Chlorobromomethane	0.162	U	1.00	0.162	ug/L	1
Bromoform	0.151	U	1.00	0.151	ug/L	1
Bromomethane	0.250	U	2.00	0.250	ug/L	1
2-Butanone (MEK)	0.760	U	2.00	0.760	ug/L	1
Carbon disulfide	0.216	U	2.00	0.216	ug/L	1
Carbon tetrachloride	0.183	U	1.00	0.183	ug/L	1
Dibromochloromethane	0.119	U	1.00	0.119	ug/L	1
Chlorobenzene	0.185	U	1.00	0.185	ug/L	1
Chloroethane	0.240	U	2.00	0.240	ug/L	1
Chloroform	0.151	U	1.00	0.151	ug/L	1
Chloromethane	0.209	U	2.00	0.209	ug/L	1
1,1-Dichloroethane	0.168	U	1.00	0.168	ug/L	1
1,2-Dichloroethane	0.116	U	1.00	0.116	ug/L	1
1,1-Dichloroethene	0.192	U	1.00	0.192	ug/L	1
trans-1,2-Dichloroethene	0.192	U	1.00	0.192	ug/L	1
1,2-Dichloropropane	0.136	U	1.00	0.136	ug/L	1
cis-1,3-Dichloropropene	0.160	U	1.00	0.160	ug/L	1
trans-1,3-Dichloropropene	0.137	U	1.00	0.137	ug/L	1
Ethylbenzene	0.212	U	1.00	0.212	ug/L	1
2-Hexanone	0.265	U	2.00	0.265	ug/L	1
Methylene Chloride	1.228	J	5.00	0.176	ug/L	1
4-Methyl-2-pentanone (MIBK)	0.348	U	2.00	0.348	ug/L	1
Styrene	0.175	U	1.00	0.175	ug/L	1
1,1,2,2-Tetrachloroethane	0.197	U	1.00	0.197	ug/L	1
Tetrachloroethene	0.333	U	1.00	0.333	ug/L	1
Toluene	0.198	U	1.00	0.198	ug/L	1
1,1,1-Trichloroethane	0.209	U	1.00	0.209	ug/L	1
1,1,2-Trichloroethane	0.209	U	1.00	0.209	ug/L	1
Trichloroethene	0.138	U	1.00	0.138	ug/L	1
Vinyl acetate	0.854	U	2.00	0.854	ug/L	1
Vinyl chloride	0.248	U	2.00	0.248	ug/L	1
o-Xylene	0.192	U	1.00	0.192	ug/L	1
m-Xylene & p-Xylene	0.205	U	1.00	0.205	ug/L	1
Xylenes, Total	0.366	U	1.00	0.366	ug/L	1
cis-1,2-Dichloroethene	0.157	U	1.00	0.157	ug/L	1
Bromodichloromethane	0.153	U	1.00	0.153	ug/L	1
1,2-Dichloroethene, Total	0.355	U	2.00	0.355	ug/L	1
Methyl tert-butyl ether	0.105	U	1.00	0.105	ug/L	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	101		70 - 130		03/23/20 11:29	1
Dibromofluoromethane	106		62 - 130		03/23/20 11:29	1
4-Bromofluorobenzene	106		67 - 139		03/23/20 11:29	1
1,2-Dichloroethane-d4 (Surr)	89		50 - 134		03/23/20 11:29	1

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

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

**Lab Sample ID: LCS 600-290891/3**

**Matrix: Water**

**Analysis Batch: 290891**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.05		ug/L		90	18 - 144
Benzene	10.0	9.460		ug/L		95	70 - 130
Chlorobromomethane	10.0	9.188		ug/L		92	58 - 130
Bromoform	10.0	9.266		ug/L		93	54 - 133
Bromomethane	10.0	10.51		ug/L		105	25 - 150
2-Butanone (MEK)	20.0	18.10		ug/L		91	41 - 141
Carbon disulfide	10.0	8.891		ug/L		89	55 - 150
Carbon tetrachloride	10.0	11.11		ug/L		111	70 - 144
Dibromochloromethane	10.0	10.14		ug/L		101	62 - 130
Chlorobenzene	10.0	8.940		ug/L		89	69 - 130
Chloroethane	10.0	12.07		ug/L		121	47 - 150
Chloroform	10.0	9.222		ug/L		92	70 - 130
Chloromethane	10.0	9.277		ug/L		93	10 - 150
1,1-Dichloroethane	10.0	9.461		ug/L		95	70 - 140
1,2-Dichloroethane	10.0	8.930		ug/L		89	67 - 134
1,1-Dichloroethene	10.0	10.24		ug/L		102	58 - 148
trans-1,2-Dichloroethene	10.0	9.837		ug/L		98	68 - 131
1,2-Dichloropropane	10.0	9.350		ug/L		93	70 - 130
cis-1,3-Dichloropropene	10.0	9.704		ug/L		97	57 - 130
trans-1,3-Dichloropropene	10.0	9.244		ug/L		92	60 - 130
Ethylbenzene	10.0	9.590		ug/L		96	70 - 130
2-Hexanone	20.0	20.47		ug/L		102	56 - 130
Methylene Chloride	10.0	10.42		ug/L		104	55 - 147
4-Methyl-2-pentanone (MIBK)	20.0	19.99		ug/L		100	62 - 136
Styrene	10.0	9.785		ug/L		98	70 - 130
1,1,2,2-Tetrachloroethane	10.0	8.610		ug/L		86	58 - 133
Tetrachloroethene	10.0	10.41		ug/L		104	47 - 150
Toluene	10.0	9.866		ug/L		99	70 - 130
1,1,1-Trichloroethane	10.0	10.36		ug/L		104	70 - 136
1,1,2-Trichloroethane	10.0	9.572		ug/L		96	70 - 130
Trichloroethene	10.0	9.820		ug/L		98	70 - 130
Vinyl acetate	20.0	20.75		ug/L		104	10 - 150
Vinyl chloride	10.0	10.44		ug/L		104	33 - 150
o-Xylene	10.0	9.584		ug/L		96	70 - 130
m-Xylene & p-Xylene	10.0	9.599		ug/L		96	70 - 130
Xylenes, Total	20.0	19.18		ug/L		96	70 - 130
cis-1,2-Dichloroethene	10.0	9.479		ug/L		95	68 - 130
Bromodichloromethane	10.0	9.448		ug/L		94	70 - 131
1,2-Dichloroethene, Total	20.0	19.32		ug/L		97	69 - 130
Methyl tert-butyl ether	10.0	9.422		ug/L		94	56 - 132

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	108		70 - 130
Dibromofluoromethane	104		62 - 130
4-Bromofluorobenzene	107		67 - 139
1,2-Dichloroethane-d4 (Surr)	89		50 - 134

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

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

**Lab Sample ID: LCSD 600-290891/4**

**Matrix: Water**

**Analysis Batch: 290891**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	20.0	16.72		ug/L		84	18 - 144	8	20
Benzene	10.0	9.987		ug/L		100	70 - 130	5	20
Chlorobromomethane	10.0	9.974		ug/L		100	58 - 130	8	20
Bromoform	10.0	9.743		ug/L		97	54 - 133	5	20
Bromomethane	10.0	11.59		ug/L		116	25 - 150	10	20
2-Butanone (MEK)	20.0	18.06		ug/L		90	41 - 141	0	20
Carbon disulfide	10.0	9.254		ug/L		93	55 - 150	4	20
Carbon tetrachloride	10.0	11.59		ug/L		116	70 - 144	4	20
Dibromochloromethane	10.0	10.68		ug/L		107	62 - 130	5	20
Chlorobenzene	10.0	9.404		ug/L		94	69 - 130	5	20
Chloroethane	10.0	12.26		ug/L		123	47 - 150	2	20
Chloroform	10.0	9.809		ug/L		98	70 - 130	6	20
Chloromethane	10.0	9.486		ug/L		95	10 - 150	2	20
1,1-Dichloroethane	10.0	9.870		ug/L		99	70 - 140	4	20
1,2-Dichloroethane	10.0	9.586		ug/L		96	67 - 134	7	20
1,1-Dichloroethene	10.0	10.56		ug/L		106	58 - 148	3	20
trans-1,2-Dichloroethene	10.0	10.55		ug/L		105	68 - 131	7	20
1,2-Dichloropropane	10.0	10.06		ug/L		101	70 - 130	7	20
cis-1,3-Dichloropropene	10.0	9.993		ug/L		100	57 - 130	3	20
trans-1,3-Dichloropropene	10.0	9.719		ug/L		97	60 - 130	5	20
Ethylbenzene	10.0	9.972		ug/L		100	70 - 130	4	20
2-Hexanone	20.0	21.45		ug/L		107	56 - 130	5	20
Methylene Chloride	10.0	10.74		ug/L		107	55 - 147	3	20
4-Methyl-2-pentanone (MIBK)	20.0	21.73		ug/L		109	62 - 136	8	20
Styrene	10.0	10.29		ug/L		103	70 - 130	5	20
1,1,2,2-Tetrachloroethane	10.0	8.888		ug/L		89	58 - 133	3	20
Tetrachloroethene	10.0	10.58		ug/L		106	47 - 150	2	20
Toluene	10.0	10.13		ug/L		101	70 - 130	3	20
1,1,1-Trichloroethane	10.0	10.99		ug/L		110	70 - 136	6	20
1,1,2-Trichloroethane	10.0	9.944		ug/L		99	70 - 130	4	20
Trichloroethene	10.0	10.58		ug/L		106	70 - 130	7	20
Vinyl acetate	20.0	22.94		ug/L		115	10 - 150	10	20
Vinyl chloride	10.0	9.757		ug/L		98	33 - 150	7	20
o-Xylene	10.0	10.06		ug/L		101	70 - 130	5	20
m-Xylene & p-Xylene	10.0	9.954		ug/L		100	70 - 130	4	20
Xylenes, Total	20.0	20.01		ug/L		100	70 - 130	4	20
cis-1,2-Dichloroethene	10.0	10.23		ug/L		102	68 - 130	8	20
Bromodichloromethane	10.0	10.40		ug/L		104	70 - 131	10	20
1,2-Dichloroethene, Total	20.0	20.78		ug/L		104	69 - 130	7	20
Methyl tert-butyl ether	10.0	10.21		ug/L		102	56 - 132	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	106		70 - 130
Dibromofluoromethane	108		62 - 130
4-Bromofluorobenzene	109		67 - 139
1,2-Dichloroethane-d4 (Surr)	93		50 - 134

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

**Lab Sample ID: MB 600-290795/1-A**

**Matrix: Water**

**Analysis Batch: 290836**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 290795**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.160	U	1.00	0.160	ug/L	03/20/20 10:13	03/20/20 16:10		1
Acenaphthylene	0.160	U	1.00	0.160	ug/L	03/20/20 10:13	03/20/20 16:10		1
Anthracene	0.440	U	1.50	0.440	ug/L	03/20/20 10:13	03/20/20 16:10		1
Benzo[a]anthracene	0.250	U	2.00	0.250	ug/L	03/20/20 10:13	03/20/20 16:10		1
Benzo[b]fluoranthene	0.180	U	2.00	0.180	ug/L	03/20/20 10:13	03/20/20 16:10		1
Benzo[k]fluoranthene	0.160	U	2.00	0.160	ug/L	03/20/20 10:13	03/20/20 16:10		1
Benzo[g,h,i]perylene	0.350	U	2.00	0.350	ug/L	03/20/20 10:13	03/20/20 16:10		1
Benzo[a]pyrene	0.130	U	1.50	0.130	ug/L	03/20/20 10:13	03/20/20 16:10		1
Bis(2-chloroethoxy)methane	0.190	U	1.50	0.190	ug/L	03/20/20 10:13	03/20/20 16:10		1
Bis(2-chloroethyl)ether	0.180	U	1.50	0.180	ug/L	03/20/20 10:13	03/20/20 16:10		1
Bis(2-ethylhexyl) phthalate	0.590	U	2.50	0.590	ug/L	03/20/20 10:13	03/20/20 16:10		1
4-Bromophenyl phenyl ether	0.250	U	1.50	0.250	ug/L	03/20/20 10:13	03/20/20 16:10		1
Butyl benzyl phthalate	0.850	U	2.50	0.850	ug/L	03/20/20 10:13	03/20/20 16:10		1
4-Chloroaniline	0.110	U	1.00	0.110	ug/L	03/20/20 10:13	03/20/20 16:10		1
2-Chloronaphthalene	0.190	U	1.50	0.190	ug/L	03/20/20 10:13	03/20/20 16:10		1
4-Chlorophenyl phenyl ether	0.230	U	1.50	0.230	ug/L	03/20/20 10:13	03/20/20 16:10		1
Carbazole	0.350	U	5.00	0.350	ug/L	03/20/20 10:13	03/20/20 16:10		1
Chrysene	0.240	U	1.50	0.240	ug/L	03/20/20 10:13	03/20/20 16:10		1
Di-n-butyl phthalate	1.87	U	5.00	1.87	ug/L	03/20/20 10:13	03/20/20 16:10		1
Dibenz(a,h)anthracene	0.290	U	2.00	0.290	ug/L	03/20/20 10:13	03/20/20 16:10		1
Dibenzofuran	0.160	U	1.50	0.160	ug/L	03/20/20 10:13	03/20/20 16:10		1
3,3'-Dichlorobenzidine	0.320	U	5.00	0.320	ug/L	03/20/20 10:13	03/20/20 16:10		1
Diethyl phthalate	4.19	U	5.00	4.19	ug/L	03/20/20 10:13	03/20/20 16:10		1
Dimethyl phthalate	0.180	U	2.50	0.180	ug/L	03/20/20 10:13	03/20/20 16:10		1
2,4-Dinitrotoluene	0.320	U	1.50	0.320	ug/L	03/20/20 10:13	03/20/20 16:10		1
Di-n-octyl phthalate	0.2689	J	5.00	0.160	ug/L	03/20/20 10:13	03/20/20 16:10		1
Fluoranthene	0.310	U	2.00	0.310	ug/L	03/20/20 10:13	03/20/20 16:10		1
Fluorene	0.120	U	1.50	0.120	ug/L	03/20/20 10:13	03/20/20 16:10		1
Hexachlorobenzene	0.250	U	1.50	0.250	ug/L	03/20/20 10:13	03/20/20 16:10		1
Hexachlorocyclopentadiene	0.150	U	1.50	0.150	ug/L	03/20/20 10:13	03/20/20 16:10		1
Hexachloroethane	0.170	U	2.00	0.170	ug/L	03/20/20 10:13	03/20/20 16:10		1
Hexachlorobutadiene	0.190	U	2.00	0.190	ug/L	03/20/20 10:13	03/20/20 16:10		1
Indeno[1,2,3-cd]pyrene	0.290	U	2.00	0.290	ug/L	03/20/20 10:13	03/20/20 16:10		1
Isophorone	0.150	U	1.50	0.150	ug/L	03/20/20 10:13	03/20/20 16:10		1
2-Methylnaphthalene	0.140	U	1.50	0.140	ug/L	03/20/20 10:13	03/20/20 16:10		1
Naphthalene	0.160	U	2.00	0.160	ug/L	03/20/20 10:13	03/20/20 16:10		1
2-Nitroaniline	0.350	U	2.50	0.350	ug/L	03/20/20 10:13	03/20/20 16:10		1
3-Nitroaniline	0.130	U	2.50	0.130	ug/L	03/20/20 10:13	03/20/20 16:10		1
4-Nitroaniline	0.230	U	2.50	0.230	ug/L	03/20/20 10:13	03/20/20 16:10		1
Nitrobenzene	0.200	U	1.50	0.200	ug/L	03/20/20 10:13	03/20/20 16:10		1
N-Nitrosodiphenylamine	0.330	U	1.50	0.330	ug/L	03/20/20 10:13	03/20/20 16:10		1
N-Nitrosodi-n-propylamine	0.240	U	2.50	0.240	ug/L	03/20/20 10:13	03/20/20 16:10		1
Phenanthrene	0.290	U	1.50	0.290	ug/L	03/20/20 10:13	03/20/20 16:10		1
Pyrene	0.330	U	2.00	0.330	ug/L	03/20/20 10:13	03/20/20 16:10		1
4-Chloro-3-methylphenol	0.250	U	1.00	0.250	ug/L	03/20/20 10:13	03/20/20 16:10		1
2-Chlorophenol	0.220	U	2.00	0.220	ug/L	03/20/20 10:13	03/20/20 16:10		1
2-Methylphenol	0.190	U	1.50	0.190	ug/L	03/20/20 10:13	03/20/20 16:10		1
3 & 4 Methylphenol	0.160	U	1.00	0.160	ug/L	03/20/20 10:13	03/20/20 16:10		1

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

**Lab Sample ID:** MB 600-290795/1-A

**Matrix:** Water

**Analysis Batch:** 290836

**Client Sample ID:** Method Blank

**Prep Type:** Total/NA

**Prep Batch:** 290795

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	0.260	U	2.50	0.260	ug/L	03/20/20 10:13	03/20/20 16:10	1	1
2,4-Dimethylphenol	0.180	U	2.50	0.180	ug/L	03/20/20 10:13	03/20/20 16:10	1	1
4,6-Dinitro-2-methylphenol	0.160	U	2.00	0.160	ug/L	03/20/20 10:13	03/20/20 16:10	1	1
2,4-Dinitrophenol	0.400	U	5.00	0.400	ug/L	03/20/20 10:13	03/20/20 16:10	1	1
2-Nitrophenol	0.220	U	1.00	0.220	ug/L	03/20/20 10:13	03/20/20 16:10	1	1
4-Nitrophenol	0.330	U	2.50	0.330	ug/L	03/20/20 10:13	03/20/20 16:10	1	1
Pentachlorophenol	0.960	U	2.50	0.960	ug/L	03/20/20 10:13	03/20/20 16:10	1	1
Phenol	0.140	U	1.50	0.140	ug/L	03/20/20 10:13	03/20/20 16:10	1	1
2,4,5-Trichlorophenol	0.290	U	2.00	0.290	ug/L	03/20/20 10:13	03/20/20 16:10	1	1
2,4,6-Trichlorophenol	0.330	U	2.00	0.330	ug/L	03/20/20 10:13	03/20/20 16:10	1	1
2,6-Dinitrotoluene	0.290	U	1.00	0.290	ug/L	03/20/20 10:13	03/20/20 16:10	1	1
bis (2-Chloroisopropyl) ether	0.180	U	1.00	0.180	ug/L	03/20/20 10:13	03/20/20 16:10	1	1
1,1'-Biphenyl	0.730	U	1.50	0.730	ug/L	03/20/20 10:13	03/20/20 16:10	1	1
Acetophenone	0.680	U	1.50	0.680	ug/L	03/20/20 10:13	03/20/20 16:10	1	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	69		52 - 130	03/20/20 10:13	03/20/20 16:10	1
Nitrobenzene-d5	62		40 - 130	03/20/20 10:13	03/20/20 16:10	1
2-Fluorophenol	39		12 - 130	03/20/20 10:13	03/20/20 16:10	1
2-Fluorobiphenyl	61		36 - 130	03/20/20 10:13	03/20/20 16:10	1
2,4,6-Tribromophenol	52		17 - 137	03/20/20 10:13	03/20/20 16:10	1
Phenol-d5 (Surr)	28		10 - 130	03/20/20 10:13	03/20/20 16:10	1

**Lab Sample ID:** LCS 600-290795/2-A

**Matrix:** Water

**Analysis Batch:** 290836

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Total/NA  
**Prep Batch:** 290795

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
Acenaphthene	8.00	5.634		ug/L	70	41 - 130		
Acenaphthylene	8.00	5.884		ug/L	74	42 - 130		
Anthracene	8.00	5.811		ug/L	73	42 - 136		
Benzo[a]anthracene	8.00	6.540		ug/L	82	41 - 150		
Benzo[b]fluoranthene	8.00	7.172		ug/L	90	35 - 150		
Benzo[k]fluoranthene	8.00	6.764		ug/L	85	35 - 150		
Benzo[g,h,i]perylene	8.00	7.410		ug/L	93	10 - 150		
Benzo[a]pyrene	8.00	6.550		ug/L	82	35 - 150		
Bis(2-chloroethoxy)methane	8.00	5.716		ug/L	71	33 - 135		
Bis(2-chloroethyl)ether	8.00	5.458		ug/L	68	29 - 138		
Bis(2-ethylhexyl) phthalate	8.00	6.515		ug/L	81	40 - 150		
4-Bromophenyl phenyl ether	8.00	5.752		ug/L	72	42 - 138		
Butyl benzyl phthalate	8.00	7.187		ug/L	90	35 - 150		
4-Chloroaniline	8.00	13.64	E *	ug/L	170	10 - 150		
2-Chloronaphthalene	8.00	5.618		ug/L	70	38 - 135		
4-Chlorophenyl phenyl ether	8.00	5.800		ug/L	72	39 - 137		
Carbazole	8.00	10.62		ug/L	133	10 - 150		
Chrysene	8.00	6.350		ug/L	79	43 - 142		
Di-n-butyl phthalate	8.00	6.648		ug/L	83	34 - 150		
Dibenz(a,h)anthracene	8.00	6.685		ug/L	84	10 - 150		

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

**Lab Sample ID: LCS 600-290795/2-A**

**Matrix: Water**

**Analysis Batch: 290836**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 290795**

**%Rec.**

**Limits**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Dibenzofuran	8.00	5.758		ug/L	72	42 - 130	
3,3'-Dichlorobenzidine	8.00	7.245		ug/L	91	15 - 162	
Diethyl phthalate	8.00	6.024		ug/L	75	20 - 150	
Dimethyl phthalate	8.00	5.873		ug/L	73	33 - 144	
2,4-Dinitrotoluene	8.00	6.169		ug/L	77	17 - 150	
Di-n-octyl phthalate	8.00	7.004		ug/L	88	40 - 150	
Fluoranthene	8.00	6.669		ug/L	83	42 - 146	
Fluorene	8.00	5.767		ug/L	72	40 - 138	
Hexachlorobenzene	8.00	5.620		ug/L	70	35 - 138	
Hexachlorocyclopentadiene	8.00	5.187		ug/L	65	10 - 130	
Hexachloroethane	8.00	5.249		ug/L	66	25 - 141	
Hexachlorobutadiene	8.00	5.571		ug/L	70	31 - 136	
Indeno[1,2,3-cd]pyrene	8.00	6.500		ug/L	81	10 - 150	
Isophorone	8.00	5.371		ug/L	67	28 - 134	
2-Methylnaphthalene	8.00	5.804		ug/L	73	23 - 150	
Naphthalene	8.00	5.612		ug/L	70	21 - 150	
2-Nitroaniline	8.00	5.528		ug/L	69	31 - 142	
3-Nitroaniline	8.00	1.691 J		ug/L	21	10 - 150	
4-Nitroaniline	8.00	13.81 *		ug/L	173	10 - 150	
Nitrobenzene	8.00	5.503		ug/L	69	38 - 134	
N-Nitrosodiphenylamine	8.00	6.451		ug/L	81	50 - 150	
N-Nitrosodi-n-propylamine	8.00	5.296		ug/L	66	26 - 146	
Phenanthrene	8.00	5.728		ug/L	72	38 - 138	
Pyrene	8.00	6.055		ug/L	76	36 - 146	
4-Chloro-3-methylphenol	8.00	5.105		ug/L	64	34 - 145	
2-Chlorophenol	8.00	4.862		ug/L	61	40 - 134	
2-Methylphenol	8.00	4.475		ug/L	56	31 - 150	
3 & 4 Methylphenol	8.00	4.367		ug/L	55	25 - 146	
2,4-Dichlorophenol	8.00	5.398		ug/L	67	45 - 134	
2,4-Dimethylphenol	8.00	4.749		ug/L	59	23 - 150	
4,6-Dinitro-2-methylphenol	16.0	11.72		ug/L	73	25 - 140	
2,4-Dinitrophenol	16.0	8.725		ug/L	55	10 - 144	
2-Nitrophenol	8.00	5.785		ug/L	72	40 - 134	
4-Nitrophenol	16.0	4.953		ug/L	31	10 - 140	
Pentachlorophenol	16.0	7.742		ug/L	48	10 - 130	
Phenol	8.00	2.769		ug/L	35	10 - 150	
2,4,5-Trichlorophenol	8.00	5.831		ug/L	73	38 - 140	
2,4,6-Trichlorophenol	8.00	5.464		ug/L	68	34 - 148	
2,6-Dinitrotoluene	8.00	6.218		ug/L	78	34 - 150	
bis (2-Chloroisopropyl) ether	8.00	6.245		ug/L	78	20 - 138	
1,1'-Biphenyl	8.00	5.680		ug/L	71	41 - 130	
Acetophenone	8.00	5.612		ug/L	70	33 - 133	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	77		52 - 130
Nitrobenzene-d5	69		40 - 130
2-Fluorophenol	40		12 - 130
2-Fluorobiphenyl	68		36 - 130

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

**Lab Sample ID: LCS 600-290795/2-A**

**Matrix: Water**

**Analysis Batch: 290836**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 290795**

Surrogate	LCS	LCS	%Recovery	Qualifier	Limits
2,4,6-Tribromophenol			73		17 - 137
Phenol-d5 (Surr)			31		10 - 130

**Lab Sample ID: LCSD 600-290795/3-A**

**Matrix: Water**

**Analysis Batch: 290836**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 290795**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthene	8.00	6.107		ug/L		76	41 - 130	8	20
Acenaphthylene	8.00	6.489		ug/L		81	42 - 130	10	20
Anthracene	8.00	6.322		ug/L		79	42 - 136	8	20
Benzo[a]anthracene	8.00	6.632		ug/L		83	41 - 150	1	20
Benzo[b]fluoranthene	8.00	7.104		ug/L		89	35 - 150	1	20
Benzo[k]fluoranthene	8.00	6.705		ug/L		84	35 - 150	1	20
Benzo[g,h,i]perylene	8.00	7.426		ug/L		93	10 - 150	0	20
Benzo[a]pyrene	8.00	6.599		ug/L		82	35 - 150	1	20
Bis(2-chloroethoxy)methane	8.00	6.192		ug/L		77	33 - 135	8	20
Bis(2-chloroethyl)ether	8.00	5.918		ug/L		74	29 - 138	8	20
Bis(2-ethylhexyl) phthalate	8.00	6.475		ug/L		81	40 - 150	1	20
4-Bromophenyl phenyl ether	8.00	6.224		ug/L		78	42 - 138	8	20
Butyl benzyl phthalate	8.00	7.294		ug/L		91	35 - 150	1	20
4-Chloroaniline	8.00	15.19 * E		ug/L		190	10 - 150	11	20
2-Chloronaphthalene	8.00	6.124		ug/L		77	38 - 135	9	20
4-Chlorophenyl phenyl ether	8.00	6.329		ug/L		79	39 - 137	9	20
Carbazole	8.00	10.93		ug/L		137	10 - 150	3	20
Chrysene	8.00	6.409		ug/L		80	43 - 142	1	20
Di-n-butyl phthalate	8.00	7.054		ug/L		88	34 - 150	6	20
Dibenz(a,h)anthracene	8.00	6.732		ug/L		84	10 - 150	1	20
Dibenzofuran	8.00	6.264		ug/L		78	42 - 130	8	20
3,3'-Dichlorobenzidine	8.00	7.549		ug/L		94	15 - 162	4	40
Diethyl phthalate	8.00	6.437		ug/L		80	20 - 150	7	20
Dimethyl phthalate	8.00	6.369		ug/L		80	33 - 144	8	20
2,4-Dinitrotoluene	8.00	6.820		ug/L		85	17 - 150	10	20
Di-n-octyl phthalate	8.00	6.990		ug/L		87	40 - 150	0	20
Fluoranthene	8.00	7.007		ug/L		88	42 - 146	5	20
Fluorene	8.00	6.275		ug/L		78	40 - 138	8	20
Hexachlorobenzene	8.00	6.064		ug/L		76	35 - 138	8	20
Hexachlorocyclopentadiene	8.00	5.844		ug/L		73	10 - 130	12	20
Hexachloroethane	8.00	5.727		ug/L		72	25 - 141	9	20
Hexachlorobutadiene	8.00	5.971		ug/L		75	31 - 136	7	20
Indeno[1,2,3-cd]pyrene	8.00	6.467		ug/L		81	10 - 150	1	20
Isophorone	8.00	5.777		ug/L		72	28 - 134	7	20
2-Methylnaphthalene	8.00	6.193		ug/L		77	23 - 150	6	20
Naphthalene	8.00	6.034		ug/L		75	21 - 150	7	20
2-Nitroaniline	8.00	6.072		ug/L		76	31 - 142	9	20
3-Nitroaniline	8.00	1.720 J		ug/L		22	10 - 150	2	20
4-Nitroaniline	8.00	14.75 *		ug/L		184	10 - 150	7	20
Nitrobenzene	8.00	6.056		ug/L		76	38 - 134	10	20

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

**Lab Sample ID: LCSD 600-290795/3-A**

**Matrix: Water**

**Analysis Batch: 290836**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 290795**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD RPD	Limit
N-Nitrosodiphenylamine	8.00	7.021		ug/L	88	50 - 150	8	20	
N-Nitrosodi-n-propylamine	8.00	5.794		ug/L	72	26 - 146	9	20	
Phenanthrene	8.00	6.117		ug/L	76	38 - 138	7	20	
Pyrene	8.00	6.433		ug/L	80	36 - 146	6	40	
4-Chloro-3-methylphenol	8.00	5.402		ug/L	68	34 - 145	6	20	
2-Chlorophenol	8.00	5.207		ug/L	65	40 - 134	7	20	
2-Methylphenol	8.00	4.872		ug/L	61	31 - 150	9	20	
3 & 4 Methylphenol	8.00	4.597		ug/L	57	25 - 146	5	20	
2,4-Dichlorophenol	8.00	5.863		ug/L	73	45 - 134	8	20	
2,4-Dimethylphenol	8.00	5.052		ug/L	63	23 - 150	6	20	
4,6-Dinitro-2-methylphenol	16.0	12.52		ug/L	78	25 - 140	7	20	
2,4-Dinitrophenol	16.0	10.40		ug/L	65	10 - 144	17	20	
2-Nitrophenol	8.00	6.227		ug/L	78	40 - 134	7	20	
4-Nitrophenol	16.0	4.947		ug/L	31	10 - 140	0	20	
Pentachlorophenol	16.0	7.427		ug/L	46	10 - 130	4	20	
Phenol	8.00	2.806		ug/L	35	10 - 150	1	20	
2,4,5-Trichlorophenol	8.00	6.466		ug/L	81	38 - 140	10	20	
2,4,6-Trichlorophenol	8.00	5.994		ug/L	75	34 - 148	9	20	
2,6-Dinitrotoluene	8.00	6.861		ug/L	86	34 - 150	10	20	
bis (2-Chloroisopropyl) ether	8.00	6.772		ug/L	85	20 - 138	8	20	
1,1'-Biphenyl	8.00	6.257		ug/L	78	41 - 130	10	20	
Acetophenone	8.00	5.982		ug/L	75	33 - 133	6	20	

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
Terphenyl-d14	73		52 - 130
Nitrobenzene-d5	70		40 - 130
2-Fluorophenol	37		12 - 130
2-Fluorobiphenyl	69		36 - 130
2,4,6-Tribromophenol	73		17 - 137
Phenol-d5 (Surr)	29		10 - 130

**Lab Sample ID: MB 600-290948/1-A**

**Matrix: Water**

**Analysis Batch: 290980**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 290948**

Analyte	MB	MB	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	0.160	U	1.00	0.160	ug/L		03/23/20 13:24	03/23/20 19:17	1
Acenaphthylene	0.160	U	1.00	0.160	ug/L		03/23/20 13:24	03/23/20 19:17	1
Anthracene	0.440	U	1.50	0.440	ug/L		03/23/20 13:24	03/23/20 19:17	1
Benzo[a]anthracene	0.250	U	2.00	0.250	ug/L		03/23/20 13:24	03/23/20 19:17	1
Benzo[b]fluoranthene	0.180	U	2.00	0.180	ug/L		03/23/20 13:24	03/23/20 19:17	1
Benzo[k]fluoranthene	0.160	U	2.00	0.160	ug/L		03/23/20 13:24	03/23/20 19:17	1
Benzo[g,h,i]perylene	0.350	U	2.00	0.350	ug/L		03/23/20 13:24	03/23/20 19:17	1
Benzo[a]pyrene	0.130	U	1.50	0.130	ug/L		03/23/20 13:24	03/23/20 19:17	1
Bis(2-chloroethoxy)methane	0.190	U	1.50	0.190	ug/L		03/23/20 13:24	03/23/20 19:17	1
Bis(2-chloroethyl)ether	0.180	U	1.50	0.180	ug/L		03/23/20 13:24	03/23/20 19:17	1
Bis(2-ethylhexyl) phthalate	0.590	U	2.50	0.590	ug/L		03/23/20 13:24	03/23/20 19:17	1
4-Bromophenyl phenyl ether	0.250	U	1.50	0.250	ug/L		03/23/20 13:24	03/23/20 19:17	1

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

**Lab Sample ID: MB 600-290948/1-A**

**Matrix: Water**

**Analysis Batch: 290980**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 290948**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	0.850	U	2.50	0.850	ug/L	03/23/20 13:24	03/23/20 19:17	1	1
4-Chloroaniline	0.110	U	1.00	0.110	ug/L	03/23/20 13:24	03/23/20 19:17	1	2
2-Chloronaphthalene	0.190	U	1.50	0.190	ug/L	03/23/20 13:24	03/23/20 19:17	1	3
4-Chlorophenyl phenyl ether	0.230	U	1.50	0.230	ug/L	03/23/20 13:24	03/23/20 19:17	1	4
Carbazole	0.350	U	5.00	0.350	ug/L	03/23/20 13:24	03/23/20 19:17	1	5
Chrysene	0.240	U	1.50	0.240	ug/L	03/23/20 13:24	03/23/20 19:17	1	6
Di-n-butyl phthalate	1.87	U	5.00	1.87	ug/L	03/23/20 13:24	03/23/20 19:17	1	7
Dibenz(a,h)anthracene	0.290	U	2.00	0.290	ug/L	03/23/20 13:24	03/23/20 19:17	1	8
Dibenzofuran	0.160	U	1.50	0.160	ug/L	03/23/20 13:24	03/23/20 19:17	1	9
3,3'-Dichlorobenzidine	0.320	U	5.00	0.320	ug/L	03/23/20 13:24	03/23/20 19:17	1	10
Diethyl phthalate	4.19	U	5.00	4.19	ug/L	03/23/20 13:24	03/23/20 19:17	1	11
Dimethyl phthalate	0.180	U	2.50	0.180	ug/L	03/23/20 13:24	03/23/20 19:17	1	12
2,4-Dinitrotoluene	0.320	U	1.50	0.320	ug/L	03/23/20 13:24	03/23/20 19:17	1	13
Di-n-octyl phthalate	0.160	U	5.00	0.160	ug/L	03/23/20 13:24	03/23/20 19:17	1	14
Fluoranthene	0.310	U	2.00	0.310	ug/L	03/23/20 13:24	03/23/20 19:17	1	15
Fluorene	0.120	U	1.50	0.120	ug/L	03/23/20 13:24	03/23/20 19:17	1	16
Hexachlorobenzene	0.250	U	1.50	0.250	ug/L	03/23/20 13:24	03/23/20 19:17	1	17
Hexachlorocyclopentadiene	0.150	U	1.50	0.150	ug/L	03/23/20 13:24	03/23/20 19:17	1	1
Hexachloroethane	0.170	U	2.00	0.170	ug/L	03/23/20 13:24	03/23/20 19:17	1	2
Hexachlorobutadiene	0.190	U	2.00	0.190	ug/L	03/23/20 13:24	03/23/20 19:17	1	3
Indeno[1,2,3-cd]pyrene	0.290	U	2.00	0.290	ug/L	03/23/20 13:24	03/23/20 19:17	1	4
Isophorone	0.150	U	1.50	0.150	ug/L	03/23/20 13:24	03/23/20 19:17	1	5
2-Methylnaphthalene	0.1608	J	1.50	0.140	ug/L	03/23/20 13:24	03/23/20 19:17	1	6
Naphthalene	0.1616	J	2.00	0.160	ug/L	03/23/20 13:24	03/23/20 19:17	1	7
2-Nitroaniline	0.350	U	2.50	0.350	ug/L	03/23/20 13:24	03/23/20 19:17	1	8
3-Nitroaniline	0.130	U	2.50	0.130	ug/L	03/23/20 13:24	03/23/20 19:17	1	9
4-Nitroaniline	0.230	U	2.50	0.230	ug/L	03/23/20 13:24	03/23/20 19:17	1	10
Nitrobenzene	0.200	U	1.50	0.200	ug/L	03/23/20 13:24	03/23/20 19:17	1	11
N-Nitrosodiphenylamine	0.330	U	1.50	0.330	ug/L	03/23/20 13:24	03/23/20 19:17	1	12
N-Nitrosodi-n-propylamine	0.240	U	2.50	0.240	ug/L	03/23/20 13:24	03/23/20 19:17	1	13
Phenanthrene	0.290	U	1.50	0.290	ug/L	03/23/20 13:24	03/23/20 19:17	1	14
Pyrene	0.330	U	2.00	0.330	ug/L	03/23/20 13:24	03/23/20 19:17	1	15
4-Chloro-3-methylphenol	0.250	U	1.00	0.250	ug/L	03/23/20 13:24	03/23/20 19:17	1	16
2-Chlorophenol	0.220	U	2.00	0.220	ug/L	03/23/20 13:24	03/23/20 19:17	1	17
2-Methylphenol	0.190	U	1.50	0.190	ug/L	03/23/20 13:24	03/23/20 19:17	1	1
3 & 4 Methylphenol	0.160	U	1.00	0.160	ug/L	03/23/20 13:24	03/23/20 19:17	1	2
2,4-Dichlorophenol	0.260	U	2.50	0.260	ug/L	03/23/20 13:24	03/23/20 19:17	1	3
2,4-Dimethylphenol	0.180	U	2.50	0.180	ug/L	03/23/20 13:24	03/23/20 19:17	1	4
4,6-Dinitro-2-methylphenol	0.160	U	2.00	0.160	ug/L	03/23/20 13:24	03/23/20 19:17	1	5
2,4-Dinitrophenol	0.400	U	5.00	0.400	ug/L	03/23/20 13:24	03/23/20 19:17	1	6
2-Nitrophenol	0.220	U	1.00	0.220	ug/L	03/23/20 13:24	03/23/20 19:17	1	7
4-Nitrophenol	0.330	U	2.50	0.330	ug/L	03/23/20 13:24	03/23/20 19:17	1	8
Pentachlorophenol	0.960	U	2.50	0.960	ug/L	03/23/20 13:24	03/23/20 19:17	1	9
Phenol	0.140	U	1.50	0.140	ug/L	03/23/20 13:24	03/23/20 19:17	1	10
2,4,5-Trichlorophenol	0.290	U	2.00	0.290	ug/L	03/23/20 13:24	03/23/20 19:17	1	11
2,4,6-Trichlorophenol	0.330	U	2.00	0.330	ug/L	03/23/20 13:24	03/23/20 19:17	1	12
2,6-Dinitrotoluene	0.290	U	1.00	0.290	ug/L	03/23/20 13:24	03/23/20 19:17	1	13
bis (2-Chloroisopropyl) ether	0.180	U	1.00	0.180	ug/L	03/23/20 13:24	03/23/20 19:17	1	14
1,1'-Biphenyl	0.730	U	1.50	0.730	ug/L	03/23/20 13:24	03/23/20 19:17	1	15

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

**Lab Sample ID: MB 600-290948/1-A**

**Matrix: Water**

**Analysis Batch: 290980**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 290948**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	0.680	U	1.50	0.680	ug/L		03/23/20 13:24	03/23/20 19:17	1
<b>Surrogate</b>									
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Terphenyl-d14</i>	79		52 - 130				03/23/20 13:24	03/23/20 19:17	1
<i>Nitrobenzene-d5</i>	56		40 - 130				03/23/20 13:24	03/23/20 19:17	1
<i>2-Fluorophenol</i>	35		12 - 130				03/23/20 13:24	03/23/20 19:17	1
<i>2-Fluorobiphenyl</i>	58		36 - 130				03/23/20 13:24	03/23/20 19:17	1
<i>2,4,6-Tribromophenol</i>	61		17 - 137				03/23/20 13:24	03/23/20 19:17	1
<i>Phenol-d5 (Sur)</i>	26		10 - 130				03/23/20 13:24	03/23/20 19:17	1

**Lab Sample ID: LCS 600-290948/2-A**

**Matrix: Water**

**Analysis Batch: 290980**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 290948**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	8.00	6.016		ug/L	75	41 - 130	
Acenaphthylene	8.00	6.241		ug/L	78	42 - 130	
Anthracene	8.00	6.327		ug/L	79	42 - 136	
Benzo[a]anthracene	8.00	7.335		ug/L	92	41 - 150	
Benzo[b]fluoranthene	8.00	8.627		ug/L	108	35 - 150	
Benzo[k]fluoranthene	8.00	6.885		ug/L	86	35 - 150	
Benzo[g,h,i]perylene	8.00	8.807		ug/L	110	10 - 150	
Benzo[a]pyrene	8.00	7.477		ug/L	93	35 - 150	
Bis(2-chloroethoxy)methane	8.00	5.945		ug/L	74	33 - 135	
Bis(2-chloroethyl)ether	8.00	5.572		ug/L	70	29 - 138	
Bis(2-ethylhexyl) phthalate	8.00	7.323		ug/L	92	40 - 150	
4-Bromophenyl phenyl ether	8.00	6.411		ug/L	80	42 - 138	
Butyl benzyl phthalate	8.00	8.137		ug/L	102	35 - 150	
4-Chloroaniline	8.00	15.99	E *	ug/L	200	10 - 150	
2-Chloronaphthalene	8.00	6.037		ug/L	75	38 - 135	
4-Chlorophenyl phenyl ether	8.00	6.152		ug/L	77	39 - 137	
Carbazole	8.00	11.63		ug/L	145	10 - 150	
Chrysene	8.00	7.224		ug/L	90	43 - 142	
Di-n-butyl phthalate	8.00	7.500		ug/L	94	34 - 150	
Dibenz(a,h)anthracene	8.00	7.643		ug/L	96	10 - 150	
Dibenzofuran	8.00	6.148		ug/L	77	42 - 130	
3,3'-Dichlorobenzidine	8.00	8.310		ug/L	104	15 - 162	
Diethyl phthalate	8.00	6.208		ug/L	78	20 - 150	
Dimethyl phthalate	8.00	6.225		ug/L	78	33 - 144	
2,4-Dinitrotoluene	8.00	6.317		ug/L	79	17 - 150	
Di-n-octyl phthalate	8.00	7.430		ug/L	93	40 - 150	
Fluoranthene	8.00	7.339		ug/L	92	42 - 146	
Fluorene	8.00	6.099		ug/L	76	40 - 138	
Hexachlorobenzene	8.00	6.224		ug/L	78	35 - 138	
Hexachlorocyclopentadiene	8.00	5.674		ug/L	71	10 - 130	
Hexachloroethane	8.00	5.336		ug/L	67	25 - 141	
Hexachlorobutadiene	8.00	5.871		ug/L	73	31 - 136	
Indeno[1,2,3-cd]pyrene	8.00	7.603		ug/L	95	10 - 150	

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

**Lab Sample ID: LCS 600-290948/2-A**

**Matrix: Water**

**Analysis Batch: 290980**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 290948**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
Isophorone	8.00	5.470		ug/L		68	28 - 134	
2-Methylnaphthalene	8.00	6.004		ug/L		75	23 - 150	
Naphthalene	8.00	5.802		ug/L		73	21 - 150	
2-Nitroaniline	8.00	5.448		ug/L		68	31 - 142	
3-Nitroaniline	8.00	4.256		ug/L		53	10 - 150	
4-Nitroaniline	8.00	11.69		ug/L		146	10 - 150	
Nitrobenzene	8.00	5.596		ug/L		70	38 - 134	
N-Nitrosodiphenylamine	8.00	6.841		ug/L		86	50 - 150	
N-Nitrosodi-n-propylamine	8.00	5.576		ug/L		70	26 - 146	
Phenanthrene	8.00	6.145		ug/L		77	38 - 138	
Pyrene	8.00	7.002		ug/L		88	36 - 146	
4-Chloro-3-methylphenol	8.00	4.977		ug/L		62	34 - 145	
2-Chlorophenol	8.00	4.875		ug/L		61	40 - 134	
2-Methylphenol	8.00	4.594		ug/L		57	31 - 150	
3 & 4 Methylphenol	8.00	4.619		ug/L		58	25 - 146	
2,4-Dichlorophenol	8.00	5.602		ug/L		70	45 - 134	
2,4-Dimethylphenol	8.00	4.802		ug/L		60	23 - 150	
4,6-Dinitro-2-methylphenol	16.0	11.69		ug/L		73	25 - 140	
2,4-Dinitrophenol	16.0	6.941		ug/L		43	10 - 144	
2-Nitrophenol	8.00	6.033		ug/L		75	40 - 134	
4-Nitrophenol	16.0	5.372		ug/L		34	10 - 140	
Pentachlorophenol	16.0	7.811		ug/L		49	10 - 130	
Phenol	8.00	2.645		ug/L		33	10 - 150	
2,4,5-Trichlorophenol	8.00	5.513		ug/L		69	38 - 140	
2,4,6-Trichlorophenol	8.00	5.651		ug/L		71	34 - 148	
2,6-Dinitrotoluene	8.00	6.484		ug/L		81	34 - 150	
bis (2-Chloroisopropyl) ether	8.00	6.157		ug/L		77	20 - 138	
1,1'-Biphenyl	8.00	6.001		ug/L		75	41 - 130	
Acetophenone	8.00	5.691		ug/L		71	33 - 133	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	75		52 - 130
Nitrobenzene-d5	58		40 - 130
2-Fluorophenol	34		12 - 130
2-Fluorobiphenyl	62		36 - 130
2,4,6-Tribromophenol	68		17 - 137
Phenol-d5 (Surr)	27		10 - 130

**Lab Sample ID: LCSD 600-290948/3-A**

**Matrix: Water**

**Analysis Batch: 290980**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 290948**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.	RPD	Limit
Acenaphthene	8.00	6.393		ug/L		80	41 - 130	6	20
Acenaphthylene	8.00	6.793		ug/L		85	42 - 130	8	20
Anthracene	8.00	6.897		ug/L		86	42 - 136	9	20
Benzo[a]anthracene	8.00	8.178		ug/L		102	41 - 150	11	20
Benzo[b]fluoranthene	8.00	8.961		ug/L		112	35 - 150	4	20

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

**Lab Sample ID: LCSD 600-290948/3-A**

**Matrix: Water**

**Analysis Batch: 290980**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 290948**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[k]fluoranthene	8.00	7.671		ug/L	96	35 - 150	11	20	
Benzo[g,h,i]perylene	8.00	8.571		ug/L	107	10 - 150	3	20	
Benzo[a]pyrene	8.00	7.894		ug/L	99	35 - 150	5	20	
Bis(2-chloroethoxy)methane	8.00	6.423		ug/L	80	33 - 135	8	20	
Bis(2-chloroethyl)ether	8.00	6.456		ug/L	81	29 - 138	15	20	
Bis(2-ethylhexyl) phthalate	8.00	7.996		ug/L	100	40 - 150	9	20	
4-Bromophenyl phenyl ether	8.00	6.859		ug/L	86	42 - 138	7	20	
Butyl benzyl phthalate	8.00	9.278		ug/L	116	35 - 150	13	20	
4-Chloroaniline	8.00	16.11 * E		ug/L	201	10 - 150	1	20	
2-Chloronaphthalene	8.00	6.450		ug/L	81	38 - 135	7	20	
4-Chlorophenyl phenyl ether	8.00	6.818		ug/L	85	39 - 137	10	20	
Carbazole	8.00	13.44 *		ug/L	168	10 - 150	14	20	
Chrysene	8.00	7.583		ug/L	95	43 - 142	5	20	
Di-n-butyl phthalate	8.00	8.286		ug/L	104	34 - 150	10	20	
Dibenz(a,h)anthracene	8.00	7.668		ug/L	96	10 - 150	0	20	
Dibenzofuran	8.00	6.639		ug/L	83	42 - 130	8	20	
3,3'-Dichlorobenzidine	8.00	9.126		ug/L	114	15 - 162	9	40	
Diethyl phthalate	8.00	7.170		ug/L	90	20 - 150	14	20	
Dimethyl phthalate	8.00	6.898		ug/L	86	33 - 144	10	20	
2,4-Dinitrotoluene	8.00	7.283		ug/L	91	17 - 150	14	20	
Di-n-octyl phthalate	8.00	8.091		ug/L	101	40 - 150	9	20	
Fluoranthene	8.00	8.204		ug/L	103	42 - 146	11	20	
Fluorene	8.00	6.682		ug/L	84	40 - 138	9	20	
Hexachlorobenzene	8.00	6.691		ug/L	84	35 - 138	7	20	
Hexachlorocyclopentadiene	8.00	6.291		ug/L	79	10 - 130	10	20	
Hexachloroethane	8.00	5.831		ug/L	73	25 - 141	9	20	
Hexachlorobutadiene	8.00	6.303		ug/L	79	31 - 136	7	20	
Indeno[1,2,3-cd]pyrene	8.00	7.701		ug/L	96	10 - 150	1	20	
Isophorone	8.00	5.984		ug/L	75	28 - 134	9	20	
2-Methylnaphthalene	8.00	6.579		ug/L	82	23 - 150	9	20	
Naphthalene	8.00	6.371		ug/L	80	21 - 150	9	20	
2-Nitroaniline	8.00	6.123		ug/L	77	31 - 142	12	20	
3-Nitroaniline	8.00	4.557		ug/L	57	10 - 150	7	20	
4-Nitroaniline	8.00	12.66 *		ug/L	158	10 - 150	8	20	
Nitrobenzene	8.00	6.152		ug/L	77	38 - 134	9	20	
N-Nitrosodiphenylamine	8.00	7.443		ug/L	93	50 - 150	8	20	
N-Nitrosodi-n-propylamine	8.00	6.502		ug/L	81	26 - 146	15	20	
Phenanthrene	8.00	6.745		ug/L	84	38 - 138	9	20	
Pyrene	8.00	7.401		ug/L	93	36 - 146	6	40	
4-Chloro-3-methylphenol	8.00	5.559		ug/L	69	34 - 145	11	20	
2-Chlorophenol	8.00	5.589		ug/L	70	40 - 134	14	20	
2-Methylphenol	8.00	5.584		ug/L	70	31 - 150	19	20	
3 & 4 Methylphenol	8.00	5.239		ug/L	65	25 - 146	13	20	
2,4-Dichlorophenol	8.00	6.235		ug/L	78	45 - 134	11	20	
2,4-Dimethylphenol	8.00	5.265		ug/L	66	23 - 150	9	20	
4,6-Dinitro-2-methylphenol	16.0	13.20		ug/L	82	25 - 140	12	20	
2,4-Dinitrophenol	16.0	9.205 *		ug/L	58	10 - 144	28	20	
2-Nitrophenol	8.00	6.675		ug/L	83	40 - 134	10	20	
4-Nitrophenol	16.0	5.573		ug/L	35	10 - 140	4	20	

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

**Lab Sample ID: LCSD 600-290948/3-A**

**Matrix: Water**

**Analysis Batch: 290980**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 290948**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD RPD	Limit
Pentachlorophenol	16.0	7.942		ug/L		50	10 - 130	2	20
Phenol	8.00	2.937		ug/L		37	10 - 150	10	20
2,4,5-Trichlorophenol	8.00	6.497		ug/L		81	38 - 140	16	20
2,4,6-Trichlorophenol	8.00	6.185		ug/L		77	34 - 148	9	20
2,6-Dinitrotoluene	8.00	7.198		ug/L		90	34 - 150	10	20
bis (2-Chloroisopropyl) ether	8.00	7.083		ug/L		89	20 - 138	14	20
1,1'-Biphenyl	8.00	6.439		ug/L		80	41 - 130	7	20
Acetophenone	8.00	6.216		ug/L		78	33 - 133	9	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
Terphenyl-d14	76		52 - 130
Nitrobenzene-d5	62		40 - 130
2-Fluorophenol	34		12 - 130
2-Fluorobiphenyl	64		36 - 130
2,4,6-Tribromophenol	70		17 - 137
Phenol-d5 (Surr)	28		10 - 130

**Lab Sample ID: 600-202616-A-4-B MS**

**Matrix: Water**

**Analysis Batch: 290980**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 290948**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.154	U	7.69	5.867		ug/L		76	41 - 130
Acenaphthylene	0.195	J	7.69	6.042		ug/L		76	42 - 130
Anthracene	0.423	U	7.69	6.230		ug/L		81	42 - 136
Benzo[a]anthracene	0.240	U	7.69	6.834		ug/L		89	41 - 150
Benzo[b]fluoranthene	0.182	J	7.69	6.833		ug/L		86	35 - 150
Benzo[k]fluoranthene	0.154	U	7.69	6.972		ug/L		91	35 - 150
Benzo[g,h,i]perylene	0.337	U	7.69	6.168		ug/L		80	10 - 150
Benzo[a]pyrene	0.131	J	7.69	6.500		ug/L		83	35 - 150
Bis(2-chloroethoxy)methane	0.183	U	7.69	5.992		ug/L		78	33 - 135
Bis(2-chloroethyl)ether	0.173	U	7.69	5.647		ug/L		73	29 - 138
Bis(2-ethylhexyl) phthalate	0.639	J	7.69	5.303		ug/L		61	40 - 150
4-Bromophenyl phenyl ether	0.240	U	7.69	6.223		ug/L		81	42 - 138
Butyl benzyl phthalate	0.817	U	7.69	7.439		ug/L		97	35 - 150
4-Chloroaniline	0.106	U *	7.69	8.355		ug/L		109	10 - 150
2-Chloronaphthalene	0.183	U	7.69	5.914		ug/L		77	38 - 135
4-Chlorophenyl phenyl ether	0.221	U	7.69	6.066		ug/L		79	39 - 137
Carbazole	0.337	U *	7.69	11.92	N1	ug/L		155	10 - 150
Chrysene	0.231	U	7.69	6.652		ug/L		86	43 - 142
Di-n-butyl phthalate	1.80	U	7.69	7.080		ug/L		92	34 - 150
Dibenz(a,h)anthracene	0.279	U	7.69	5.706		ug/L		74	10 - 150
Dibenzofuran	0.154	U	7.69	6.018		ug/L		78	42 - 130
3,3'-Dichlorobenzidine	0.308	U	7.69	3.186	J	ug/L		41	15 - 162
Diethyl phthalate	4.03	U	7.69	6.229		ug/L		81	20 - 150
Dimethyl phthalate	0.173	U	7.69	6.166		ug/L		80	33 - 144
2,4-Dinitrotoluene	0.308	U	7.69	6.303		ug/L		82	17 - 150
Di-n-octyl phthalate	0.154	U	7.69	5.000		ug/L		65	40 - 150

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

**Lab Sample ID: 600-202616-A-4-B MS**

**Matrix: Water**

**Analysis Batch: 290980**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 290948**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Fluoranthene	0.748	J	7.69	7.290		ug/L	85	42 - 146	
Fluorene	0.452	J	7.69	6.026		ug/L	72	40 - 138	
Hexachlorobenzene	0.240	U	7.69	5.907		ug/L	77	35 - 138	
Hexachlorocyclopentadiene	0.144	U	7.69	5.945		ug/L	77	10 - 130	
Hexachloroethane	0.163	U	7.69	5.899		ug/L	77	25 - 141	
Hexachlorobutadiene	0.183	U	7.69	6.153		ug/L	80	31 - 136	
Indeno[1,2,3-cd]pyrene	0.279	U	7.69	5.579		ug/L	73	10 - 150	
Isophorone	0.144	U	7.69	5.558		ug/L	72	28 - 134	
2-Methylnaphthalene	0.781	J b	7.69	6.145		ug/L	70	23 - 150	
Naphthalene	0.843	J b	7.69	6.103		ug/L	68	21 - 150	
2-Nitroaniline	0.337	U	7.69	5.031		ug/L	65	31 - 142	
3-Nitroaniline	0.125	U	7.69	2.308	J	ug/L	30	10 - 150	
4-Nitroaniline	0.221	U *	7.69	7.661		ug/L	100	10 - 150	
Nitrobenzene	0.192	U	7.69	6.315		ug/L	82	38 - 134	
N-Nitrosodiphenylamine	0.317	U	7.69	6.472		ug/L	84	50 - 150	
N-Nitrosodi-n-propylamine	0.231	U	7.69	5.593		ug/L	73	26 - 146	
Phenanthrene	0.566	J	7.69	6.052		ug/L	71	38 - 138	
Pyrene	0.317	U	7.69	6.447		ug/L	84	36 - 146	
4-Chloro-3-methylphenol	0.240	U	7.69	5.000		ug/L	65	34 - 145	
2-Chlorophenol	0.212	U	7.69	5.094		ug/L	66	40 - 134	
2-Methylphenol	0.183	U	7.69	4.497		ug/L	58	31 - 150	
3 & 4 Methylphenol	0.154	U	7.69	4.200		ug/L	55	25 - 146	
2,4-Dichlorophenol	0.250	U	7.69	5.902		ug/L	77	45 - 134	
2,4-Dimethylphenol	0.173	U	7.69	4.230		ug/L	55	23 - 150	
4,6-Dinitro-2-methylphenol	0.154	U	15.4	11.10		ug/L	72	25 - 140	
2,4-Dinitrophenol	0.385	U *	15.4	8.628		ug/L	56	10 - 144	
2-Nitrophenol	0.212	U	7.69	6.531		ug/L	85	40 - 134	
4-Nitrophenol	0.317	U	15.4	4.387		ug/L	29	10 - 140	
Pentachlorophenol	0.923	U	15.4	8.162		ug/L	53	10 - 130	
Phenol	0.135	U	7.69	2.181		ug/L	28	10 - 150	
2,4,5-Trichlorophenol	0.279	U	7.69	5.408		ug/L	70	38 - 140	
2,4,6-Trichlorophenol	0.317	U	7.69	5.706		ug/L	74	34 - 148	
2,6-Dinitrotoluene	0.279	U	7.69	6.459		ug/L	84	34 - 150	
bis (2-Chloroisopropyl) ether	0.173	U	7.69	6.250		ug/L	81	20 - 138	
1,1'-Biphenyl	0.702	U	7.69	5.957		ug/L	77	41 - 130	
Acetophenone	0.654	U	7.69	5.977		ug/L	78	33 - 133	

Surrogate	MS		
	%Recovery	Qualifier	Limits
Terphenyl-d14	73		52 - 130
Nitrobenzene-d5	68		40 - 130
2-Fluorophenol	35		12 - 130
2-Fluorobiphenyl	68		36 - 130
2,4,6-Tribromophenol	75		17 - 137
Phenol-d5 (Surr)	25		10 - 130

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

**Lab Sample ID: 600-202616-A-4-C MSD**

**Matrix: Water**

**Analysis Batch: 290980**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 290948**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Acenaphthene	0.154	U	7.69	5.329		ug/L	69	41 - 130	10	20	
Acenaphthylene	0.195	J	7.69	5.525		ug/L	69	42 - 130	9	20	
Anthracene	0.423	U	7.69	5.475		ug/L	71	42 - 136	13	20	
Benzo[a]anthracene	0.240	U	7.69	6.304		ug/L	82	41 - 150	8	20	
Benzo[b]fluoranthene	0.182	J	7.69	6.121		ug/L	77	35 - 150	11	20	
Benzo[k]fluoranthene	0.154	U	7.69	0.3206	J N1 N2	ug/L	4	35 - 150	182	20	
Benzo[g,h,i]perylene	0.337	U	7.69	5.174		ug/L	67	10 - 150	18	20	
Benzo[a]pyrene	0.131	J	7.69	5.628		ug/L	71	35 - 150	14	20	
Bis(2-chloroethoxy)methane	0.183	U	7.69	5.353		ug/L	70	33 - 135	11	20	
Bis(2-chloroethyl)ether	0.173	U	7.69	5.139		ug/L	67	29 - 138	9	20	
Bis(2-ethylhexyl) phthalate	0.639	J	7.69	4.245	N2	ug/L	47	40 - 150	22	20	
4-Bromophenyl phenyl ether	0.240	U	7.69	5.451		ug/L	71	42 - 138	13	20	
Butyl benzyl phthalate	0.817	U	7.69	6.765		ug/L	88	35 - 150	9	20	
4-Chloroaniline	0.106	U *	7.69	8.563		ug/L	111	10 - 150	2	20	
2-Chloronaphthalene	0.183	U	7.69	5.370		ug/L	70	38 - 135	10	20	
4-Chlorophenyl phenyl ether	0.221	U	7.69	5.560		ug/L	72	39 - 137	9	20	
Carbazole	0.337	U *	7.69	10.87		ug/L	141	10 - 150	9	20	
Chrysene	0.231	U	7.69	6.099		ug/L	79	43 - 142	9	20	
Di-n-butyl phthalate	1.80	U	7.69	6.596		ug/L	86	34 - 150	7	20	
Dibenz(a,h)anthracene	0.279	U	7.69	4.914		ug/L	64	10 - 150	15	20	
Dibenzofuran	0.154	U	7.69	5.505		ug/L	72	42 - 130	9	20	
3,3'-Dichlorobenzidine	0.308	U	7.69	2.468	J	ug/L	32	15 - 162	25	40	
Diethyl phthalate	4.03	U	7.69	5.697		ug/L	74	20 - 150	9	20	
Dimethyl phthalate	0.173	U	7.69	5.549		ug/L	72	33 - 144	11	20	
2,4-Dinitrotoluene	0.308	U	7.69	5.596		ug/L	73	17 - 150	12	20	
Di-n-octyl phthalate	0.154	U	7.69	3.868	J N2	ug/L	50	40 - 150	26	20	
Fluoranthene	0.748	J	7.69	6.642		ug/L	77	42 - 146	9	20	
Fluorene	0.452	J	7.69	5.493		ug/L	66	40 - 138	9	20	
Hexachlorobenzene	0.240	U	7.69	5.333		ug/L	69	35 - 138	10	20	
Hexachlorocyclopentadiene	0.144	U	7.69	5.362		ug/L	70	10 - 130	10	20	
Hexachloroethane	0.163	U	7.69	5.342		ug/L	69	25 - 141	10	20	
Hexachlorobutadiene	0.183	U	7.69	5.382		ug/L	70	31 - 136	13	20	
Indeno[1,2,3-cd]pyrene	0.279	U	7.69	4.853		ug/L	63	10 - 150	14	20	
Isophorone	0.144	U	7.69	4.976		ug/L	65	28 - 134	11	20	
2-Methylnaphthalene	0.781	J b	7.69	5.486		ug/L	61	23 - 150	11	20	
Naphthalene	0.843	J b	7.69	5.427		ug/L	60	21 - 150	12	20	
2-Nitroaniline	0.337	U	7.69	4.468		ug/L	58	31 - 142	12	20	
3-Nitroaniline	0.125	U	7.69	2.128	J	ug/L	28	10 - 150	8	20	
4-Nitroaniline	0.221	U *	7.69	6.429		ug/L	84	10 - 150	17	20	
Nitrobenzene	0.192	U	7.69	5.673		ug/L	74	38 - 134	11	20	
N-Nitrosodiphenylamine	0.317	U	7.69	5.709		ug/L	74	50 - 150	13	20	
N-Nitrosodi-n-propylamine	0.231	U	7.69	5.196		ug/L	68	26 - 146	7	20	
Phenanthrene	0.566	J	7.69	5.379		ug/L	63	38 - 138	12	20	
Pyrene	0.317	U	7.69	6.032		ug/L	78	36 - 146	7	40	
4-Chloro-3-methylphenol	0.240	U	7.69	4.332		ug/L	56	34 - 145	14	20	
2-Chlorophenol	0.212	U	7.69	4.434		ug/L	58	40 - 134	14	20	
2-Methylphenol	0.183	U	7.69	4.103		ug/L	53	31 - 150	9	20	
3 & 4 Methylphenol	0.154	U	7.69	3.864		ug/L	50	25 - 146	8	20	

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-202616-A-4-C MSD				Client Sample ID: Matrix Spike Duplicate							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 290980				Prep Batch: 290948							
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	Limits	RPD	RPD Limit
2,4-Dichlorophenol	0.250	U	7.69	4.968		ug/L	65	45 - 134	17	20	
2,4-Dimethylphenol	0.173	U	7.69	3.493		ug/L	45	23 - 150	19	20	
4,6-Dinitro-2-methylphenol	0.154	U	15.4	7.052	N2	ug/L	46	25 - 140	45	20	
2,4-Dinitrophenol	0.385	U *	15.4	5.281	N2	ug/L	34	10 - 144	48	20	
2-Nitrophenol	0.212	U	7.69	5.542		ug/L	72	40 - 134	16	20	
4-Nitrophenol	0.317	U	15.4	3.119	N2	ug/L	20	10 - 140	34	20	
Pentachlorophenol	0.923	U	15.4	5.017	N2	ug/L	33	10 - 130	48	20	
Phenol	0.135	U	7.69	1.836		ug/L	24	10 - 150	17	20	
2,4,5-Trichlorophenol	0.279	U	7.69	4.725		ug/L	61	38 - 140	13	20	
2,4,6-Trichlorophenol	0.317	U	7.69	3.989	N2	ug/L	52	34 - 148	35	20	
2,6-Dinitrotoluene	0.279	U	7.69	5.804		ug/L	75	34 - 150	11	20	
bis (2-Chloroisopropyl) ether	0.173	U	7.69	5.853		ug/L	76	20 - 138	7	20	
1,1'-Biphenyl	0.702	U	7.69	5.362		ug/L	70	41 - 130	11	20	
Acetophenone	0.654	U	7.69	5.373		ug/L	70	33 - 133	11	20	
Surrogate		MSD %Recovery	MSD Qualifier	Limits							
Terphenyl-d14		65		52 - 130							
Nitrobenzene-d5		59		40 - 130							
2-Fluorophenol		29		12 - 130							
2-Fluorobiphenyl		60		36 - 130							
2,4,6-Tribromophenol		50		17 - 137							
Phenol-d5 (Surr)		22		10 - 130							

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 600-290796/1-A				Client Sample ID: Method Blank							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 290814				Prep Batch: 290796							
Analyte	MB Result	MB Qualifier	MB MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac		
C6-C12	0.830	U	5.00	0.830	mg/L	03/20/20	10:27	03/20/20	12:59	1	
>C12-C28	0.960	U	5.00	0.960	mg/L	03/20/20	10:27	03/20/20	12:59	1	
>C28-C35	0.960	U	5.00	0.960	mg/L	03/20/20	10:27	03/20/20	12:59	1	
C6-C35	0.830	U	5.00	0.830	mg/L	03/20/20	10:27	03/20/20	12:59	1	
Surrogate		MB %Recovery	MB Qualifier	Limits							
o-Terphenyl				03/20/20 10:27							

Lab Sample ID: LCSD 600-290796/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 290814				Prep Batch: 290796							
Surrogate	LCSD Result	LCSD Qualifier	LCSD MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac		
o-Terphenyl						03/20/20	10:27	03/20/20	12:59	1	

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID:** MB 600-290953/4

**Matrix:** Water

**Analysis Batch:** 290953

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

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.0534	U	0.400	0.0534	mg/L			03/23/20 16:28	1

**Lab Sample ID:** LCS 600-290953/5

**Matrix:** Water

**Analysis Batch:** 290953

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
Chloride	20.0	19.67		mg/L		98	90 - 110

**Lab Sample ID:** 600-202311-A-4 MS

**Matrix:** Water

**Analysis Batch:** 290953

**Client Sample ID:** Matrix Spike  
**Prep Type:** Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	Limits
Chloride	18.0		10.0	26.21		mg/L		82	80 - 120

**Lab Sample ID:** 600-202311-A-4 MSD

**Matrix:** Water

**Analysis Batch:** 290953

**Client Sample ID:** Matrix Spike Duplicate  
**Prep Type:** Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	RPD	RPD Limit
Chloride	18.0		10.0	26.97		mg/L		89	80 - 120	3 20

**Lab Sample ID:** MB 600-291157/6

**Matrix:** Water

**Analysis Batch:** 291157

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

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.0534	U	0.400	0.0534	mg/L			03/25/20 06:20	1

**Lab Sample ID:** LCS 600-291157/7

**Matrix:** Water

**Analysis Batch:** 291157

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
Chloride	20.0	19.82		mg/L		99	90 - 110

**Lab Sample ID:** 600-201936-A-8 MSD

**Matrix:** Water

**Analysis Batch:** 291157

**Client Sample ID:** Matrix Spike Duplicate  
**Prep Type:** Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec.	RPD	RPD Limit
Chloride	185		1000	1150		mg/L		96	80 - 120	12 20

**Lab Sample ID:** 600-201936-C-8 MS

**Matrix:** Water

**Analysis Batch:** 291157

**Client Sample ID:** Matrix Spike  
**Prep Type:** Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec.	Limits
Chloride	185		1000	1015		mg/L		83	80 - 120

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# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: 6010B - Metals (ICP)

**Lab Sample ID: MB 600-290859/1-A**

**Matrix: Water**

**Analysis Batch: 291068**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 290859**

Analyte	MB	MB	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
Pb	0.00219	U	0.0100		0.00219	mg/L		03/21/20 08:45	03/24/20 11:41		1
Cr	0.00159	U	0.0100		0.00159	mg/L		03/21/20 08:45	03/24/20 11:41		1
Cd	0.000280	U	0.00500		0.000280	mg/L		03/21/20 08:45	03/24/20 11:41		1
Ba	0.000530	U	0.0200		0.000530	mg/L		03/21/20 08:45	03/24/20 11:41		1
As	0.00285	U	0.0100		0.00285	mg/L		03/21/20 08:45	03/24/20 11:41		1
Ag	0.00129	U	0.0100		0.00129	mg/L		03/21/20 08:45	03/24/20 11:41		1
Se	0.00287	U	0.0400		0.00287	mg/L		03/21/20 08:45	03/24/20 11:41		1

**Lab Sample ID: LCS 600-290859/2-A**

**Matrix: Water**

**Analysis Batch: 291068**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 290859**

Analyte	Spike	LCS	LCS	Result	Qualifier	Unit	D	%Rec	Limits	%Rec.	
	Added	Result	Qualifier								
Pb	1.00	0.9712		mg/L			97	80 - 120			12
Cr	1.00	1.088		mg/L			109	80 - 120			13
Cd	1.00	1.051		mg/L			105	80 - 120			14
Ba	1.00	0.9877		mg/L			99	80 - 120			15
As	1.00	1.030		mg/L			103	80 - 120			16
Ag	0.250	0.2629		mg/L			105	80 - 120			17
Se	1.00	1.053		mg/L			105	80 - 120			

**Lab Sample ID: 600-202328-A-1-C MS**

**Matrix: Water**

**Analysis Batch: 291068**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 290859**

Analyte	Sample	Sample	Spike	MS	MS	Result	Qualifier	Unit	D	%Rec	Limits	%Rec.
	Result	Qualifier	Added	Result	Qualifier							
Pb	0.106		1.00	1.107		mg/L			100	75 - 125		
Cr	0.0326		1.00	1.098		mg/L			107	75 - 125		
Cd	0.0111		1.00	1.080		mg/L			107	75 - 125		
Ba	0.404		1.00	1.398		mg/L			99	75 - 125		
As	0.0154		1.00	1.076		mg/L			106	75 - 125		
Ag	0.00129	U	0.250	0.2679		mg/L			107	75 - 125		
Se	0.00840	J	1.00	1.088		mg/L			108	75 - 125		

**Lab Sample ID: 600-202328-A-1-D MSD**

**Matrix: Water**

**Analysis Batch: 291068**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 290859**

Analyte	Sample	Sample	Spike	MSD	MSD	Result	Qualifier	Unit	D	%Rec	Limits	RPD
	Result	Qualifier	Added	Result	Qualifier							
Pb	0.106		1.00	1.115		mg/L			101	75 - 125		1
Cr	0.0326		1.00	1.124		mg/L			109	75 - 125		2
Cd	0.0111		1.00	1.090		mg/L			108	75 - 125		1
Ba	0.404		1.00	1.418		mg/L			101	75 - 125		1
As	0.0154		1.00	1.088		mg/L			107	75 - 125		1
Se	0.00840	J	1.00	1.103		mg/L			109	75 - 125		1

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# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

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

**Lab Sample ID:** 600-202328-A-1-B DU

**Matrix:** Water

**Analysis Batch:** 291068

**Client Sample ID:** Duplicate  
**Prep Type:** Total/NA  
**Prep Batch:** 290859

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Pb	0.106		0.1011		mg/L		4	20
Cr	0.0326		0.02830		mg/L		14	20
Cd	0.0111		0.003700	J F	mg/L		100	20
Ba	0.404		0.3946		mg/L		2	20
As	0.0154		0.007100	J F	mg/L		74	20
Ag	0.00129	U	0.001300	J	mg/L		NC	20
Se	0.00840	J	0.00287	U	mg/L		NC	20

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID:** MB 600-290780/7-B

**Matrix:** Water

**Analysis Batch:** 290842

**Client Sample ID:** Method Blank  
**Prep Type:** Total/NA  
**Prep Batch:** 290780

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.103	U	0.250	0.103	ug/L		03/20/20 09:06	03/20/20 13:56	1

**Lab Sample ID:** LCS 600-290780/8-B

**Matrix:** Water

**Analysis Batch:** 290842

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Total/NA  
**Prep Batch:** 290780  
%Rec.  
Limits

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	3.75	3.353		ug/L		89	70 - 130

**Lab Sample ID:** 600-202024-A-18-G MS

**Matrix:** Water

**Analysis Batch:** 290842

**Client Sample ID:** Matrix Spike  
**Prep Type:** Total/NA  
**Prep Batch:** 290780  
%Rec.  
Limits

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	0.103	U	3.75	3.355		ug/L		89	75 - 125

**Lab Sample ID:** 600-202024-A-18-F DU

**Matrix:** Water

**Analysis Batch:** 290842

**Client Sample ID:** Duplicate  
**Prep Type:** Total/NA  
**Prep Batch:** 290780

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	0.103	U	0.103	U	ug/L		NC	20

## Method: SM 2540C - Solids, Total Dissolved (TDS)

**Lab Sample ID:** MB 600-290861/1

**Matrix:** Water

**Analysis Batch:** 290861

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

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	10.0	U	10.0	10.0	mg/L		03/21/20 09:36		1

Eurofins TestAmerica, Houston

# QC Sample Results

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

**Lab Sample ID: LCS 600-290861/2**

**Matrix: Water**

**Analysis Batch: 290861**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	1800	1767		mg/L	98	90 - 110	

**Lab Sample ID: 600-202500-A-1 DU**

**Matrix: Water**

**Analysis Batch: 290861**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	2580		2546		mg/L		1	10

# Unadjusted Detection Limits

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

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

Analyte	MQL	MDL	Units
1,1,1-Trichloroethane	1.00	0.209	ug/L
1,1,2,2-Tetrachloroethane	1.00	0.197	ug/L
1,1,2-Trichloroethane	1.00	0.209	ug/L
1,1-Dichloroethane	1.00	0.168	ug/L
1,1-Dichloroethene	1.00	0.192	ug/L
1,2-Dichloroethane	1.00	0.116	ug/L
1,2-Dichloroethene, Total	2.00	0.355	ug/L
1,2-Dichloropropane	1.00	0.136	ug/L
2-Butanone (MEK)	2.00	0.760	ug/L
2-Hexanone	2.00	0.265	ug/L
4-Methyl-2-pentanone (MIBK)	2.00	0.348	ug/L
Acetone	5.00	0.447	ug/L
Benzene	1.00	0.176	ug/L
Bromodichloromethane	1.00	0.153	ug/L
Bromoform	1.00	0.151	ug/L
Bromomethane	2.00	0.250	ug/L
Carbon disulfide	2.00	0.216	ug/L
Carbon tetrachloride	1.00	0.183	ug/L
Chlorobenzene	1.00	0.185	ug/L
Chlorobromomethane	1.00	0.162	ug/L
Chloroethane	2.00	0.240	ug/L
Chloroform	1.00	0.151	ug/L
Chloromethane	2.00	0.209	ug/L
cis-1,2-Dichloroethene	1.00	0.157	ug/L
cis-1,3-Dichloropropene	1.00	0.160	ug/L
Dibromochloromethane	1.00	0.119	ug/L
Ethylbenzene	1.00	0.212	ug/L
Methyl tert-butyl ether	1.00	0.105	ug/L
Methylene Chloride	5.00	0.176	ug/L
m-Xylene & p-Xylene	1.00	0.205	ug/L
o-Xylene	1.00	0.192	ug/L
Styrene	1.00	0.175	ug/L
Tetrachloroethene	1.00	0.333	ug/L
Toluene	1.00	0.198	ug/L
trans-1,2-Dichloroethene	1.00	0.192	ug/L
trans-1,3-Dichloropropene	1.00	0.137	ug/L
Trichloroethene	1.00	0.138	ug/L
Vinyl acetate	2.00	0.854	ug/L
Vinyl chloride	2.00	0.248	ug/L
Xylenes, Total	1.00	0.366	ug/L

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Prep: 3510C LVI

Analyte	MQL	MDL	Units
1,1'-Biphenyl	1.50	0.730	ug/L
2,4,5-Trichlorophenol	2.00	0.290	ug/L
2,4,6-Trichlorophenol	2.00	0.330	ug/L
2,4-Dichlorophenol	2.50	0.260	ug/L
2,4-Dimethylphenol	2.50	0.180	ug/L
2,4-Dinitrophenol	5.00	0.400	ug/L
2,4-Dinitrotoluene	1.50	0.320	ug/L
2,6-Dinitrotoluene	1.00	0.290	ug/L

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# Unadjusted Detection Limits

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Prep: 3510C LVI

Analyte	MQL	MDL	Units	
2-Chloronaphthalene	1.50	0.190	ug/L	1
2-Chlorophenol	2.00	0.220	ug/L	2
2-Methylnaphthalene	1.50	0.140	ug/L	3
2-Methylphenol	1.50	0.190	ug/L	4
2-Nitroaniline	2.50	0.350	ug/L	5
2-Nitrophenol	1.00	0.220	ug/L	6
3 & 4 Methylphenol	1.00	0.160	ug/L	7
3,3'-Dichlorobenzidine	5.00	0.320	ug/L	8
3-Nitroaniline	2.50	0.130	ug/L	9
4,6-Dinitro-2-methylphenol	2.00	0.160	ug/L	10
4-Bromophenyl phenyl ether	1.50	0.250	ug/L	11
4-Chloro-3-methylphenol	1.00	0.250	ug/L	12
4-Chloroaniline	1.00	0.110	ug/L	13
4-Chlorophenyl phenyl ether	1.50	0.230	ug/L	14
4-Nitroaniline	2.50	0.230	ug/L	15
4-Nitrophenol	2.50	0.330	ug/L	16
Acenaphthene	1.00	0.160	ug/L	17
Acenaphthylene	1.00	0.160	ug/L	
Acetophenone	1.50	0.680	ug/L	
Anthracene	1.50	0.440	ug/L	
Benzo[a]anthracene	2.00	0.250	ug/L	
Benzo[a]pyrene	1.50	0.130	ug/L	
Benzo[b]fluoranthene	2.00	0.180	ug/L	
Benzo[g,h,i]perylene	2.00	0.350	ug/L	
Benzo[k]fluoranthene	2.00	0.160	ug/L	
bis (2-Chloroisopropyl) ether	1.00	0.180	ug/L	
Bis(2-chloroethoxy)methane	1.50	0.190	ug/L	
Bis(2-chloroethyl)ether	1.50	0.180	ug/L	
Bis(2-ethylhexyl) phthalate	2.50	0.590	ug/L	
Butyl benzyl phthalate	2.50	0.850	ug/L	
Carbazole	5.00	0.350	ug/L	
Chrysene	1.50	0.240	ug/L	
Dibenz(a,h)anthracene	2.00	0.290	ug/L	
Dibenzofuran	1.50	0.160	ug/L	
Diethyl phthalate	5.00	4.19	ug/L	
Dimethyl phthalate	2.50	0.180	ug/L	
Di-n-butyl phthalate	5.00	1.87	ug/L	
Di-n-octyl phthalate	5.00	0.160	ug/L	
Fluoranthene	2.00	0.310	ug/L	
Fluorene	1.50	0.120	ug/L	
Hexachlorobenzene	1.50	0.250	ug/L	
Hexachlorobutadiene	2.00	0.190	ug/L	
Hexachlorocyclopentadiene	1.50	0.150	ug/L	
Hexachloroethane	2.00	0.170	ug/L	
Indeno[1,2,3-cd]pyrene	2.00	0.290	ug/L	
Isophorone	1.50	0.150	ug/L	
Naphthalene	2.00	0.160	ug/L	
Nitrobenzene	1.50	0.200	ug/L	
N-Nitrosodi-n-propylamine	2.50	0.240	ug/L	
N-Nitrosodiphenylamine	1.50	0.330	ug/L	
Pentachlorophenol	2.50	0.960	ug/L	
Phenanthrene	1.50	0.290	ug/L	

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# Unadjusted Detection Limits

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Prep: 3510C LVI

Analyte	MQL	MDL	Units
Phenol	1.50	0.140	ug/L
Pyrene	2.00	0.330	ug/L

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Prep: TX\_1005\_W\_Prep

Analyte	MQL	MDL	Units
>C12-C28	5.00	0.960	mg/L
>C28-C35	5.00	0.960	mg/L
C6-C12	5.00	0.830	mg/L
C6-C35	5.00	0.830	mg/L

## Method: 300.0 - Anions, Ion Chromatography

Analyte	MQL	MDL	Units
Chloride	0.400	0.0534	mg/L

## Method: 6010B - Metals (ICP)

Prep: 3010A

Analyte	MQL	MDL	Units
Ag	0.0100	0.00129	mg/L
As	0.0100	0.00285	mg/L
Ba	0.0200	0.000530	mg/L
Cd	0.00500	0.000280	mg/L
Cr	0.0100	0.00159	mg/L
Pb	0.0100	0.00219	mg/L
Se	0.0400	0.00287	mg/L

## Method: 7470A - Mercury (CVAA)

Prep: 7470A

Analyte	MQL	MDL	Units
Mercury	0.200	0.0820	ug/L

## General Chemistry

Analyte	MQL	MDL	Units
Total Dissolved Solids	10.0	10.0	mg/L

# QC Association Summary

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## GC/MS VOA

### Analysis Batch: 290648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202520-2	MW2(B4)	Total/NA	Water	8260B	
MB 600-290648/6	Method Blank	Total/NA	Water	8260B	
LCS 600-290648/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 600-290648/4	Lab Control Sample Dup	Total/NA	Water	8260B	

### Analysis Batch: 290775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202520-1	MW1(B1)	Total/NA	Water	8260B	
600-202520-2 - DL	MW2(B4)	Total/NA	Water	8260B	
MB 600-290775/6	Method Blank	Total/NA	Water	8260B	
LCS 600-290775/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 600-290775/4	Lab Control Sample Dup	Total/NA	Water	8260B	

### Analysis Batch: 290891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202520-1 - DL	MW1(B1)	Total/NA	Water	8260B	
MB 600-290891/6	Method Blank	Total/NA	Water	8260B	
LCS 600-290891/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 600-290891/4	Lab Control Sample Dup	Total/NA	Water	8260B	

## GC/MS Semi VOA

### Prep Batch: 290795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202520-1	MW1(B1)	Total/NA	Water	3510C LVI	
MB 600-290795/1-A	Method Blank	Total/NA	Water	3510C LVI	
LCS 600-290795/2-A	Lab Control Sample	Total/NA	Water	3510C LVI	
LCSD 600-290795/3-A	Lab Control Sample Dup	Total/NA	Water	3510C LVI	

### Analysis Batch: 290836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202520-1	MW1(B1)	Total/NA	Water	8270C LL	290795
MB 600-290795/1-A	Method Blank	Total/NA	Water	8270C LL	290795
LCS 600-290795/2-A	Lab Control Sample	Total/NA	Water	8270C LL	290795
LCSD 600-290795/3-A	Lab Control Sample Dup	Total/NA	Water	8270C LL	290795

### Prep Batch: 290948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202520-2	MW2(B4)	Total/NA	Water	3510C LVI	
MB 600-290948/1-A	Method Blank	Total/NA	Water	3510C LVI	
LCS 600-290948/2-A	Lab Control Sample	Total/NA	Water	3510C LVI	
LCSD 600-290948/3-A	Lab Control Sample Dup	Total/NA	Water	3510C LVI	
600-202616-A-4-B MS	Matrix Spike	Total/NA	Water	3510C LVI	
600-202616-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	3510C LVI	

### Analysis Batch: 290980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202520-2	MW2(B4)	Total/NA	Water	8270C LL	290948
MB 600-290948/1-A	Method Blank	Total/NA	Water	8270C LL	290948
LCS 600-290948/2-A	Lab Control Sample	Total/NA	Water	8270C LL	290948
LCSD 600-290948/3-A	Lab Control Sample Dup	Total/NA	Water	8270C LL	290948

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# QC Association Summary

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## GC/MS Semi VOA (Continued)

### Analysis Batch: 290980 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202616-A-4-B MS	Matrix Spike	Total/NA	Water	8270C LL	290948
600-202616-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	8270C LL	290948

## GC Semi VOA

### Prep Batch: 290796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202520-1	MW1(B1)	Total/NA	Water	TX_1005_W_Pr ep	8
600-202520-2	MW2(B4)	Total/NA	Water	TX_1005_W_Pr ep	9
MB 600-290796/1-A	Method Blank	Total/NA	Water	TX_1005_W_Pr ep	10
LCS 600-290796/2-A	Lab Control Sample	Total/NA	Water	TX_1005_W_Pr ep	11
LCSD 600-290796/3-A	Lab Control Sample Dup	Total/NA	Water	TX_1005_W_Pr ep	12

### Analysis Batch: 290814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202520-1	MW1(B1)	Total/NA	Water	TX 1005	290796
600-202520-2	MW2(B4)	Total/NA	Water	TX 1005	290796
MB 600-290796/1-A	Method Blank	Total/NA	Water	TX 1005	290796
LCS 600-290796/2-A	Lab Control Sample	Total/NA	Water	TX 1005	290796
LCSD 600-290796/3-A	Lab Control Sample Dup	Total/NA	Water	TX 1005	290796

## HPLC/IC

### Analysis Batch: 290953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202520-2	MW2(B4)	Total/NA	Water	300.0	
MB 600-290953/4	Method Blank	Total/NA	Water	300.0	
LCS 600-290953/5	Lab Control Sample	Total/NA	Water	300.0	
600-202311-A-4 MS	Matrix Spike	Total/NA	Water	300.0	
600-202311-A-4 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

### Analysis Batch: 291157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202520-1	MW1(B1)	Total/NA	Water	300.0	
MB 600-291157/6	Method Blank	Total/NA	Water	300.0	
LCS 600-291157/7	Lab Control Sample	Total/NA	Water	300.0	
600-201936-A-8 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	
600-201936-C-8 MS	Matrix Spike	Total/NA	Water	300.0	

## Metals

### Prep Batch: 290780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202520-1	MW1(B1)	Total/NA	Water	7470A	
600-202520-2	MW2(B4)	Total/NA	Water	7470A	
MB 600-290780/7-B	Method Blank	Total/NA	Water	7470A	
LCS 600-290780/8-B	Lab Control Sample	Total/NA	Water	7470A	
600-202024-A-18-G MS	Matrix Spike	Total/NA	Water	7470A	

Eurofins TestAmerica, Houston

# QC Association Summary

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Metals (Continued)

### Prep Batch: 290780 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202024-A-18-F DU	Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 290842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202520-1	MW1(B1)	Total/NA	Water	7470A	290780
600-202520-2	MW2(B4)	Total/NA	Water	7470A	290780
MB 600-290780/7-B	Method Blank	Total/NA	Water	7470A	290780
LCS 600-290780/8-B	Lab Control Sample	Total/NA	Water	7470A	290780
600-202024-A-18-G MS	Matrix Spike	Total/NA	Water	7470A	290780
600-202024-A-18-F DU	Duplicate	Total/NA	Water	7470A	290780

### Prep Batch: 290859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202520-1	MW1(B1)	Total/NA	Water	3010A	
600-202520-2	MW2(B4)	Total/NA	Water	3010A	
MB 600-290859/1-A	Method Blank	Total/NA	Water	3010A	
LCS 600-290859/2-A	Lab Control Sample	Total/NA	Water	3010A	
600-202328-A-1-C MS	Matrix Spike	Total/NA	Water	3010A	
600-202328-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
600-202328-A-1-B DU	Duplicate	Total/NA	Water	3010A	

### Analysis Batch: 291068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202520-1	MW1(B1)	Total/NA	Water	6010B	290859
600-202520-2	MW2(B4)	Total/NA	Water	6010B	290859
MB 600-290859/1-A	Method Blank	Total/NA	Water	6010B	290859
LCS 600-290859/2-A	Lab Control Sample	Total/NA	Water	6010B	290859
600-202328-A-1-C MS	Matrix Spike	Total/NA	Water	6010B	290859
600-202328-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	290859
600-202328-A-1-B DU	Duplicate	Total/NA	Water	6010B	290859

## General Chemistry

### Analysis Batch: 290861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-202520-1	MW1(B1)	Total/NA	Water	SM 2540C	
600-202520-2	MW2(B4)	Total/NA	Water	SM 2540C	
MB 600-290861/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 600-290861/2	Lab Control Sample	Total/NA	Water	SM 2540C	
600-202500-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	

# Lab Chronicle

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

**Client Sample ID: MW1(B1)**

**Lab Sample ID: 600-202520-1**

**Matrix: Water**

**Date Collected: 03/17/20 11:30**

**Date Received: 03/18/20 10:14**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	290775	03/20/20 12:51	WS1	TAL HOU
Total/NA	Analysis	8260B	DL	50	290891	03/23/20 13:54	WS1	TAL HOU
Total/NA	Prep	3510C LVI			290795	03/20/20 10:14	LER	TAL HOU
Total/NA	Analysis	8270C LL		1	290836	03/20/20 17:22	RP	TAL HOU
Total/NA	Prep	TX_1005_W_Prep			290796	03/20/20 10:27	RJV	TAL HOU
Total/NA	Analysis	TX 1005		1	290814	03/20/20 14:31	W1N	TAL HOU
Total/NA	Analysis	300.0		100	291157	03/25/20 11:58	W1N	TAL HOU
Total/NA	Prep	3010A			290859	03/21/20 08:45	CLD	TAL HOU
Total/NA	Analysis	6010B		1	291068	03/24/20 12:15	KP1	TAL HOU
Total/NA	Prep	7470A			290780	03/20/20 09:06	SOT	TAL HOU
Total/NA	Analysis	7470A		1	290842	03/20/20 14:45	SOT	TAL HOU
Total/NA	Analysis	SM 2540C		1	290861	03/21/20 09:36	TNL	TAL HOU

**Client Sample ID: MW2(B4)**

**Lab Sample ID: 600-202520-2**

**Matrix: Water**

**Date Collected: 03/17/20 10:30**

**Date Received: 03/18/20 10:14**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	290648	03/19/20 17:13	WS1	TAL HOU
Total/NA	Analysis	8260B	DL	50	290775	03/20/20 13:15	WS1	TAL HOU
Total/NA	Prep	3510C LVI			290948	03/23/20 13:28	LER	TAL HOU
Total/NA	Analysis	8270C LL		1	290980	03/24/20 05:00	RP	TAL HOU
Total/NA	Prep	TX_1005_W_Prep			290796	03/20/20 10:27	RJV	TAL HOU
Total/NA	Analysis	TX 1005		1	290814	03/20/20 15:02	W1N	TAL HOU
Total/NA	Analysis	300.0		100	290953	03/23/20 20:57	DAW	TAL HOU
Total/NA	Prep	3010A			290859	03/21/20 08:45	CLD	TAL HOU
Total/NA	Analysis	6010B		1	291068	03/24/20 12:17	KP1	TAL HOU
Total/NA	Prep	7470A			290780	03/20/20 09:06	SOT	TAL HOU
Total/NA	Analysis	7470A		1	290842	03/20/20 14:47	SOT	TAL HOU
Total/NA	Analysis	SM 2540C		1	290861	03/21/20 09:36	TNL	TAL HOU

**Laboratory References:**

TAL HOU = Eurofins TestAmerica, Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Eurofins TestAmerica, Houston

# Accreditation/Certification Summary

Client: STC Environmental Services  
Project/Site: 202105 / Peter Wilcox

Job ID: 600-202520-1

## Laboratory: Eurofins TestAmerica, Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704223-19-25	10-31-20

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

Analysis Method	Prep Method	Matrix	Analyte
300.0		Water	Chloride
8260B		Water	1,2-Dichloroethene, Total
8270C LL	3510C LVI	Water	3 & 4 Methylphenol
8270C LL	3510C LVI	Water	4-Chloro-3-methylphenol
SM 2540C		Water	Total Dissolved Solids
TX 1005	TX_1005_W_Prep	Water	>C12-C28
TX 1005	TX_1005_W_Prep	Water	>C28-C35
TX 1005	TX_1005_W_Prep	Water	C6-C12

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Houston Temp Hold Time

**STC ENVIRONMENTAL SERVICES INC.**  
4754 RESEARCH DRIVE SAN ANTONIO, TEXAS 78240  
OFFICE (210) 696-6286 \* FAX (210) 696-8761

#239 Analysis Request and Chain of Custody Record

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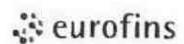
3/26/2020

STC FORM 10 (STC-10 E) REVISED OCTOBER 1997

Eurofins TestAmerica Houston

Loc: 600

202520

Environment Testing  
TestAmerica**Sample Receipt Checklist**

20 MAR 18 10:14

JOB NUMBER: \_\_\_\_\_

Date/Time Received:

STC

UNPACKED BY: YR

CLIENT:

FedEx Ground

Custody Seal Present:  YES  NO

Number of Coolers Received: 1

Cooler ID	Temp Blank	Trip Blank	Observed Temp (°C)	Therm ID	Therm CF	Corrected Temp (°C)
4198	Y / N	Y / N	2.3	U78	-0.1	2.2
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				

CF = correction factor

Samples received on ice?  YES  NOLABORATORY PRESERVATION OF SAMPLES REQUIRED:  NO  YESBase samples are >pH 12:  YES  NO Acid preserved are <pH 2:  YES  NOTX1005 samples frozen upon receipt:  YES DATE & TIME PUT IN FREEZER: \_\_\_\_\_pH paper Lot #: Hc991818 VOA headspace acceptable (5-6mm):  YES  NO  NADid samples meet the laboratory's standard conditions of sample acceptability upon receipt?  YES  NO

COMMENTS: CS #1258776 #1258777
_____
_____
3/18/20
_____
_____

## Login Sample Receipt Checklist

Client: STC Environmental Services

Job Number: 600-202520-1

**Login Number:** 202520

**List Source:** Eurofins TestAmerica, Houston

**List Number:** 1

**Creator:** Rubio, Yuri

Question	Answer	Comment	
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.	6
The cooler's custody seal, if present, is intact.	True		7
Sample custody seals, if present, are intact.	True		8
The cooler or samples do not appear to have been compromised or tampered with.	True		9
Samples were received on ice.	True		10
Cooler Temperature is acceptable.	True		11
Cooler Temperature is recorded.	True	2.2	12
COC is present.	True		13
COC is filled out in ink and legible.	True		14
COC is filled out with all pertinent information.	True		15
Is the Field Sampler's name present on COC?	True		16
There are no discrepancies between the containers received and the COC.	True		17
Samples are received within Holding Time (excluding tests with immediate HTs)	True		
Sample containers have legible labels.	True		
Containers are not broken or leaking.	True		
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	True		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True		
Multiphasic samples are not present.	True		
Samples do not require splitting or compositing.	True		
Residual Chlorine Checked.	N/A	Check done at department level as required.	

**APPENDIX D  
FILED NOTES**

# **GROUNDWATER MONITORING LOG**

Job : 202105

Date: 3/12/20

Project: 5034 Roosevelt

Checked By: John

## GROUNDWATER MONITORING LOG

Job No: 202105

Date: 3/16/20

Project: 5036 Roosevelt

Checked By: Jahna

## GROUNDWATER MONITORING LOG

Job No: 202105

Date: 3/16/20

15 min

Project: 5036 Roosevelt

Checked By: John A.

# LOW FLOW WELL SAMPLING FORM

Well No.	81/MW1	Job No.	202105	Project Name	Roosevelt	Casing Type	PVC	Total Well Depth (feet)	35.10	Tubing Volume (gallons)	
Date	3/17/20	Sampler	Jahna	Sampling Device	ProActive pump	Screen Interval (feet)	5-35	Initial Water Level (feet)	29.53	Flow Cell Volume (gallons)	
Tubing Type	Poly	Flow Cell Type	Horiba V50	Data Logger Type	Horiba V50	Well Diam. (in.)	2 inch	Tubing length (feet)	32ft	Total Tubing and Flow Cell Volume (gallons)	

## SAMPLING AND STABILIZATION READINGS

Time	Purging Flow Rate (ml/min)	Water/Tubing Depth (feet)	Total Volume Purged (gallons)	Temp (C)	DO (mg/l)	Turbidity (NTU)/TDS	pH	ORP (mV)	Cond (us)
10:48	500ml	32ft	0.25	22.97	4.03	4281	6.40	145	7.76
10:50	50ml		1.5	22.97	3.48	3281	6.42	145	7.59
10:51	500ml		0.75	22.92	3.42	3361	6.36	134	7.51
10:53	500ml		1.00	23.18	3.22	3531	6.39	134	7.37
			1.5	Unhooked from flowcell to sample		/	/		
						/	/		
						/	/		
						/	/		
						/	/		
Target Readings	100 -500 mL/min <250 for vols	< 25% of distance between inlet and top of screen	NA	+/- 3% °	+/-10%	+/-10% filter if >10 NTU	+/-0.2 units	+/-10 %	+/- 3%
Levels Achieved	225ml			0.9%	7.5%	8.7%	10 levels	7.6%	2.9%
Color of Water Sample	Cloudy	Odor of Water Sample	NONE						

Notes: 1.) The levels achieved are based on the last three stabilization readings.  
2.) The tubing has a volume of 0.0014 gallons per linear foot.

Unhooked from low flow cell + measured flow Rate

Page 1 of 1

## **LOW FLOW WELL SAMPLING FORM**

Well No.	84/mw2	Job No.	202105	Project Name	Roosevelt	Casing Type	PVC	Total Well Depth (feet)	43.40	Tubing Volume (gallons)	
Date	3/17/20	Sampler	Jahna	Sampling Device	proactive pump	Screen Interval (feet)	8-43	Initial Water Level (feet)	32.83	Flow Cell Volume (gallons)	
Tubing Type	Plex	Flow Cell Type	Honiba U-SU	Data Logger Type	Honiba U-SU	Well Diam. (in.)	2inch	Tubing length (feet)	38ft	Total Tubing and Flow Cell Volume (gallons)	

## SAMPLING AND STABILIZATION READINGS

unhooked from flow cell measured Flow Rate  
at 200 ml/min before Sampling

- Notes: 1.) The levels achieved are based on the last three stabilization readings.  
2.) The tubing has a volume of 0.0014 gallons per linear foot.