

AUTHORIZATION TO SUBMIT REPORT

Stantec has been authorized by the client, Speedway/7-Eleven (representative Anne Duarte, EHS/RS, Environmental Specialist), to submit this report to the Alaska Department of Environmental Conservation. If you have any questions or need additional information concerning this groundwater monitoring report, please contact me at (907) 227-9883.

Regards,

STANTEC CONSULTING SERVICES INC.

Bob Gilfilian, P.E.

Project Technical Lead

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ACRONYMS AND ABBREVIATIONS

ADEC Alaska Department of Environmental Conservation

AK Alaska Test Method

BTEX Benzene, Toluene, Ethylbenzene, and Xylenes

DO dissolved oxygen
DRO diesel range organics
Chemox chemical oxidation
CAP corrective action plan

EPA U.S. Environmental Protection Agency

gpm gallons per minute
GRO gasoline range organics
GCL groundwater cleanup level

mg/L milligrams per liter

mV millivolts

ORP oxidation-reduction potential PQL practical quantitation limit

QA quality assurance QC quality control

RDL reported detection limit SIM selective ion method SC specific conductance

Stantec Stantec Consulting Services Inc.

RDL reported detection limit

Tesoro Tesoro Refining & Marketing Company

TMB Trimethylbenzene

μS/cm°C microSiemens per centimeter °C VOC volatile organic compounds VSC vapor stripping and circulation

1.0 EXECUTIVE SUMMARY

This first quarter 2022 Monitoring Event Report was prepared by Stantec Consulting Services Inc. (Stantec) on behalf of Speedway, LLC for Speedway Store 5325 (formerly Tesoro 2 Go Mart #52), located at 7172 West Parks Highway, Wasilla, Alaska (**Figure 1**). Background information for this site is summarized in **Appendix A**. The methods used for this monitoring event were conducted in accordance with the Alaska Department of Environmental Conservation (ADEC) approved 2022 Corrective Action Plan (CAP) for this site. The 2022 CAP work plan tasks are summarized in **Appendix B**.

This monitoring event was conducted on March 18, 2022, by Stantec environmental staff who included: John Marshall, Environmental Scientist, Luke Simms, Environmental Scientist, and Jeremiah Malenfant, Geologist-in-Training. The monitoring event included the following tasks:

- Measured depth to groundwater
- Measured field intrinsic water quality parameters in groundwater monitoring wells
- Collected and analyzed groundwater samples from Monitoring Wells G-5, G-7, MW16-2, former Remediation Well RW16-1, and a duplicate sample of RW16-1 sample locations shown on **Figure 2**.

Results of the analytical sampling showed petroleum hydrocarbon contaminant concentrations exceeded the groundwater cleanup levels (GCLs) for the following monitoring well:

- Remediation Well RW 16-1: Ethylbenzene, xylenes, gasoline range organics (GRO), diesel range organics (DRO), naphthalene, 1,2,4-Trimethylbenzene (TMB), and 1,3,5-TMB. In addition, the lab's reported detection limit (RDL) for benzene and toluene were above the GCL.
 - A duplicate sample was collected from RW16-1, and confirms the exceedances in ethylbenzene, xylenes, GRO, DRO, naphthalene, 1,2,4-TMB, and 1,3,5-TMB, but concentrations of benzene and toluene in the duplicate sample were below GCLs.

The average groundwater gradient across the site was calculated based off a figure provided by the SampleServe[™] program at 0.033 feet per foot to the south-southeast at approximately 198 degrees, as shown in **Table 2**. This is consistent with historical groundwater gradient and direction of flow data. A plot of groundwater elevation contours based on data collected during this monitoring event is included in **Figure 3**.

The on-site groundwater remediation system, consisting of a vapor stripping and circulation (VSC) system (see **Figure 3**) was not assessed due to the presence of ice in the receiving well, MW G-1. However, it was noted the VSC compressor that operates the air-lift well was operational upon arriving at the site. The air-lift well typically discharges an approximate flow rate of 1 to 2 gallons per minute (gpm) into MW G-1.

The remediation event on March 24, 2022, consisted of a chemical oxidation (chemox) injection of a total of 110 pounds of Klozur One[®] product combined with 100 gallons of potable water from Tesoro store into each of the two injection wells (RW 20-1 and RW 20-2) that are shown on **Figure** 2. The total amount of 220 pounds of chemox was injected into the groundwater table. The chemox

solution was hydraulically "pushed" into the formation with additional injection of several hundred gallons of potable water.

2.0 SITE BACKGROUND

Background information for this site is summarized in **Appendix A**.

3.0 FIELD ACTIVITIES

The following field activities were completed during the first quarter 2022 groundwater monitoring event:

- Measured the depth to groundwater in monitoring wells G-5, G-7, MW16-2, and remediation well RW16-1.
- Measured the following intrinsic water quality parameters in all wells sampled: temperature, pH, oxidation-reduction potential (ORP), dissolved oxygen (DO) and specific conductance (SC).
- Collected groundwater samples from wells G-5, G-7, MW16-2, and RW16-1 and submitted them for laboratory analysis for the following: GRO by Alaska Test Method AK101; DRO by AK102; VOCs by U.S. Environmental Protection Agency (EPA) Test Method 8260C; hydrocarbon associated semi-VOCs by EPA Method 8270D-SIM; and sodium by Metals (ICP) by Method 6010C.

Field methods and procedures are provided in **Appendix B** and field measurements and notes are provided in **Appendix C**. Sampling was also planned at wells G-1 and G-3, but well G-1 was blocked by a plug of ice and well G-3 could not be located due to a thick layer of hardpack.

4.0 GROUNDWATER MONITORING RESULTS

4.1 GROUNDWATER ELEVATIONS

Table 1 presents groundwater elevations at this site based on the depths to static groundwater levels measured during this monitoring event.

Table 1 Groundwater Elevations

Measured on March 18, 2022

Monitoring Well Identification	Top of Casing Elevation ¹ (feet)	Depth to Water (feet btoc)	Groundwater Elevation (feet)
G-1	99.29	NM	NC
G-2	99.25	NM	NC
G-3	99.11	NM	NC
G-4	98.28	NM	NC
G-5	101.41	39.39	62.02
G-7	99.61	40.22	59.39
RW 16-1	99.43	33.93	65.50
MW 16-2	99.21	33.34	65.87

Key:

1 – G-1, G-2, G-3, G-4, G-5, G-7, RW16-1, and MW16-2 surveyed in July 2021. Elevations are presented in respect to a local benchmark with 100-foot datum.

btoc – below top of casing.

NM – Not measured.

NC - Not calculated.

Based on groundwater elevation contours provided by the SampleServe[™] program, the average hydraulic gradient across the site was calculated to be 0.033 feet per foot to the south-southwest at approximately 198 degrees. The program uses a combination of kriging and nearest-neighbor analysis to plot the groundwater elevation contours. A SampleServe[™]-generated plot of the groundwater hydraulic flow lines is provided in **Figure 3**. Groundwater gradients and bearings from the past 10 monitoring events are presented in **Table 2**. The 1st quarter monitoring result is consistent with historical groundwater gradient, but the gradient is greater than previous events.

Table 2 Historical Groundwater Flow Direction and Gradient

Date	Flow Direction (azimuth)	Gradient (ft/ft)
10/25/2018	175°	0.02
2/26/2019	152°	0.03
4/23/2019	183°	0.02
7/16/2019	300°	0.011
10/17/2019	221°	0.022
8/12/2020	171°	0.018
10/2/2020	191°	0.007
5/18/2021	182°	0.02
7/21/2021	207°	0.021
10/13/2021	171°	0.008
3/18/2022	198°	0.033

4.2 FIELD PARAMETERS

Temperature, pH, ORP, and specific conductance (SC) were measured following purging of the sampled wells. DO measurements are taken prior to purging of the well. Monitoring and remediation wells were purged of three well volumes or until purged dry and allowed to recharge prior to sampling. Results of water quality parameter testing are presented in **Table 3**.

Table 3 Field ParametersMeasured on March 18, 2022

Monitoring Well Identification	Purged Volume (gallons)	Temp. (°C)	pН	DO (mg/L)	ORP (mV)	SC (µs/cm°C)
G-1	NA	NM	NM	NM	NM	NM
G-2	NA	NM	NM	NM	NM	NM
G-3	NA	NM	NM	NM	NM	NM
G-4	NA	NM	NM	NM	NM	NM
G-5	1	5.8	6.35	0	202.4	494.2
G-7	0.75	5.7	5.81	8.63	251.9	375.6
RW16-1	1 ^d	3.5	6.78	11.99	271.0	415.1
MW16-2	2	3.8	6.74	1.14	244.2	431.7

Key:

 $^{\circ}C$ – degrees Celsius

μS/cm°C – microSiemens per centimeter °C

DO – dissolved oxygen

mg/L - milligrams/litermV - millivolts NA – not applicable

ORP – oxidation-reduction potential

 $pH - -log [H^+]$

SC – specific conductance Temp. – temperature $NM-not\ measured$

d – well purged dry, sampling continued after recharge

Measurements of pH for this monitoring event are consistent with those of past monitoring events. ORP levels appear to be higher on average than in past monitoring events. ORP measurements ranged from 202.4 to 271.0 mV during this event compared to 175.9 to 275.9 mV in the fourth quarter of 2021.

Specific conductance is consistent with past monitoring events. In the fourth quarter of 2021, higher specific conductance measurements were noted across the site and in remediation well RW16-1 in particular. Sodium measurements in all sampled wells were lower during this groundwater monitoring event than in the previous event, possibly explaining the lower specific conductance values.

A summary of field measurements and notes generated by the SampleServeTM program are provided in **Appendix C**. This was the first application of the software at this site, so certain measurements and notes may be redundant or absent from the space in the form reserved for them.

4.3 GROUNDWATER SAMPLE ANALYTICAL RESULTS

Pace Analytical Laboratory performed all analysis of groundwater samples for this sampling event. Historical monitoring data for the active wells scheduled to be monitored in the 2022 Corrective Action Plan for this site are presented in **Appendix D**. Historical data for all other inactive wells shown on the site plan (**Figure 2**) have been reported in previous monitoring reports and can be made available if needed. Laboratory analytical results are summarized in **Table 4.** The laboratory analytical report is provided in **Appendix E**.

Monitoring Wells G-5, G-7, and MW 16-2, as well as remediation well RW 16-1 were sampled in accordance with the 2022 CAP. Petroleum related contaminant concentrations above GCLs were only detected in Remediation Well RW 16-1 –this well contained exceedances in ethylbenzene, xylenes, GRO, DRO, naphthalene, 1,2,4- and 1,3,5-TMB. Also, the lab's RDL for benzene and toluene was above the GCL in sample RW16-1. However, the duplicate sample did not show an exceedance for benzene and toluene.

Table 4a Groundwater Analytical Results for BTEX, GRO, and DRO Samples collected on March 18, 2022

Sample Identification	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	GRO (mg/L)	DRO (mg/L)
G-1	NM	NM	NM	NM	NM	NM
G-2	NM	NM	NM	NM	NM	NM
G-3	NM	NM	NM	NM	NM	NM
G-4	NM	NM	NM	NM	NM	NM
G-5	0.000264 J	U (0.00100)	0.000484 J	U (0.00300)	0.0858 J	U (0.800)
G-7	U (0.00100)	U (0.00100)	U (0.00100)	U (0.00300)	U (0.100)	U (0.800)
RW16-1	U (0.200)	U (0.200)	0.939	5.548	21.9	4.26 B
MW16-2	U (0.00100)	U (0.00100)	0.000320 J	0.001009 J	1.95	0.643 B,J
DUP-01 (duplicate of RW16-1)	0.000148 J	0.000886 J	0.888	5.446	23.2	4.36 B
GCLs	0.0046	1.1	0.015	0.19	2.2	1.5

Table 4b Groundwater Analytical Results Naphthalene, Trimethylbenzene (TMB) and Sodium

Samples collected on March 18, 2022

Sample Identification	Naphthalene ¹ (mg/L)	1,2,4-TMB (mg/L)	1,3,5-TMB (mg/L)	Sodium (mg/L)
G-1	NM	NM	NM	NM
G-2	NM	NM	NM	NM
G-3	NM	NM	NM	NM
G-4	NM	NM	NM	NM
G-5	U (0.000250)	U (0.00100)	U (0.00100)	17.3
G-7	U (0.000250)	U (0.00100)	U (0.00100)	14.3
RW16-1	0.0486	4.04	0.868	39.9
MW16-2	0.000106 J	0.0341	0.0231	6.93
DUP-01 (duplicate of RW16-1)	0.0520	4.46	0.938	41.2
GCLs	0.0017	0.056	0.060	NA

Key

J – The identification of the analyte is acceptable; the reported value is an estimate

1 - Analyzed by U.S. Environmental Protection Agency Method 8270D-SIM

DRO - Diesel range organics, analyzed by AK102

GCLs - Groundwater cleanup levels, per Alaska Department of Environmental Conservation 18

Alaska Administrative Code 75.345, Table C, updated September 29, 2018.

GRO - Gasoline range organics, analyzed by AK101

mg/L – Milligrams per liter

U – Undetected above practical quantitation limits shown in parentheses

Bold - indicates the concentration exceeds the GCL or, if not detected, the reported detection limit (RDL) exceeds the GCL.

NA – Not Applicable

4.4 QUALITY ASSURANCE (QA)/QUALITY CONTROL (QC) REVIEW

Laboratory QC data and the ADEC Laboratory Data Review Checklist are included with the laboratory report in **Appendix E**.

A duplicate sample set was collected to determine the precision of the field collection and laboratory analysis for the sampling event. Sample Dup-01 is a duplicate of Sample RW16-1. Data presented in **Table 5** show that the precision for the duplicate sample set was within the established QA criteria tolerances for all analytes for which it could be calculated. Precision could not be calculated for benzene and toluene because they were not detected above the PQL in one or more

samples. The holding times for GRO, VOCs, and PAHs were within established criteria. The holding time for extracting DRO was at 14 days, which is the established hold time.

Table 5 Laboratory Quality Control Objectives

Quality Control Designation	Tolerance	Results for this Event			
Holding Times					
DRO/Water/to analyze	40 days	17-18 days			
DRO/Water/to extract	14 days	14 days			
GRO/Water/to analyze	14 days	8-10 days			
VOCs/Water/to analyze	14 days	10 days			
PAHs/Water/to extract	7 days	6 days			
PAHs/Water/to analyze	40 days	6 days			
Field Duplicates – Precision					
Benzene/Water	± 30%	NC			
Toluene/Water	± 30%	NC			
Ethylbenzene/Water	± 30%	5.6%			
Xylenes/Water	± 30%	1.9%			
GRO/Water	± 30%	5.8%			
DRO/Water	± 30%	2.3%			

Key:

% - percent

 \pm – plus or minus

 $DRO-diesel\ range\ organics$

GRO - gasoline range organics

NC – Not calculated because the analyte was not detected above the practical quantitation limit in one or more sample

VOCs – volatile organic compounds

Bold – indicates the value is above acceptable limits

5.0 REMEDIATION SYSTEM

The on-site groundwater treatment process consists of a VSC system and routine (quarterly) injections of a chemox solution into the groundwater table. The chemox solution consists of a mixture of water and an oxidant product commercially referred to as Klozur One[®], which is a sodium persulfate compound. In the past, the chemox solution was injected into the formation via remediation well RW 16-1. However, the injection of chemox into RW 16-1 had been problematic due to the small diameter of the well (2-inch) and the tightness of the geologic formation around the well. In 2020, Stantec installed two 4-inch diameter chemox injection wells, RW 20-1 and RW 20-2, located approximately 10-feet northwest and northeast (upgradient) of Remediation Well RW 16-1 (**Figure 2**).

On March 24, 2022, Stantec completed an injection of chemox Klozur One[®] solution into the new chemox injection wells, RW 20-1 and RW 20-2. Both RW 20-1 and RW 20-2 were injected with approximately 110 gallons of chemox solution. Each well received 110 pounds of Klozur One[®].

Following the chemox injection, about 100 gallons of potable water were injected into each well as a means to provide a "hydraulic push" to dose the chemox solution into the groundwater table with the goal of increasing contact between the chemox solution and contaminants within the subsurface soil and groundwater formation.

The layout of the on-site remediation VSC/air-lift well system and location of the chemox injection wells RW 20-1 and RW 20-2 are shown on **Figures 2 and 3**. Early in 2021 the compressor for the VSC system seized up and was shut down for several months. In September 2021, Stantec ordered a replacement blower that consisted of a Becker compressor model DT-4.10, 0.6 horsepower. The blower was placed into operation on October 4, 2021, and continues to operate the air-lift well to this date on a continuous basis (24-hours per day). The VSC/air-lift well discharges into MW G-1 at an estimated rate of 1 to 2 gpm.

6.0 DISCUSSION OF FINDINGS

6.1 GROUNDWATER HYDRAULIC CHARACTERISTICS

The average groundwater gradient across the site was calculated based off a figure provided by the SampleServe[™] program at 0.033 feet per foot to the south-southeast at approximately 198 degrees, as shown in **Table 2**. This is consistent with historical groundwater gradient and direction of flow data. The program uses a combination of kriging and nearest-neighbor analysis to plot the groundwater elevation contours, included in **Figure 3**.

6.2 GROUNDWATER QUALITY

Results of the analytical sampling showed petroleum hydrocarbon contaminant concentrations exceeded the groundwater cleanup levels (GCLs) for the following monitoring well:

- Remediation Well RW 16-1: Ethylbenzene, xylenes, gasoline range organics (GRO), diesel range organics (DRO), naphthalene, 1,2,4-TMB, and 1,3,5-TMB. In addition, the lab's reported detection limit (RDL) for benzene and toluene were above the GCL.
 - A duplicate sample was taken of RW16-1, and confirms the exceedances in Ethylbenzene, xylenes, gasoline range organics (GRO), diesel range organics (DRO), naphthalene, 1,2,4-TMB, and 1,3,5-TMB, but concentrations of benzene and toluene in the duplicate sample were below GCLs.

All historic data for benzene, toluene, ethylbenzene, and xylenes (BTEX), GRO, DRO, and groundwater elevations for the monitoring wells associated with this site are tabulated in **Appendix D**.

6.3 REMEDIATION SYSTEM

The remediation event on March 24, 2022, consisted of a chemox injection of 220 pounds of Klozur® One product combined with 110 gallons of potable water from the store into two treatment points (RW20-1 and RW20-2). The solution was further "hydraulically pushed" into the subsurface formation with several hundred gallons of water. In addition, the operation of the VSC/air-lift blower was verified during this event.

7.0 CONCLUSIONS AND RECOMMENDATIONS

No anomalies were found during this first quarter 2022 monitoring event that require additional corrective action or changes to the approved year 2022 Corrective Action Work Plan for this site.

8.0 LIMITATIONS

Stantec conducted this monitoring event in accordance with the Corrective Action Work Plan approved by ADEC, and in a manner consistent with the level of skill ordinarily exercised by members of the profession currently practicing under similar conditions. All sampling activities were completed in accordance with the ADEC *Underground Storage Tanks Procedures Manual – Standard Sampling Procedures* (March 22, 2017). No other warranty, expressed or implied, is made. Data and recommendations made herein were prepared for Speedway, LLC for Speedway Store 5325 (former Tesoro 2 Go Mart #52). Information herein is for use at this site in accordance with the purpose of the report described.

FIGURES

Figure 1 Location and Vicinity Map

Figure 2 Site Plan with Groundwater Analytical

Results

Figure 3 Groundwater Elevation Contours





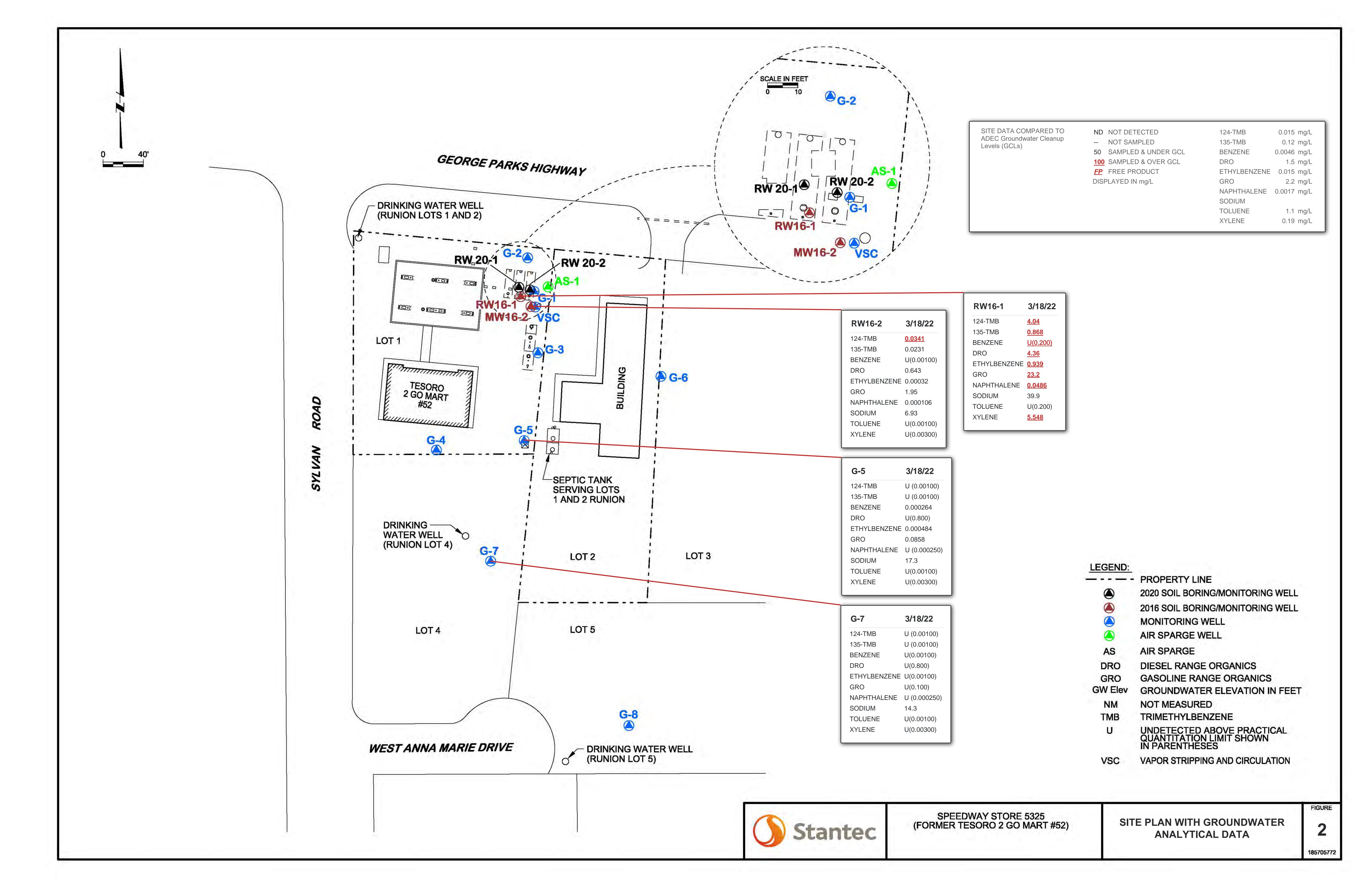
Stantec

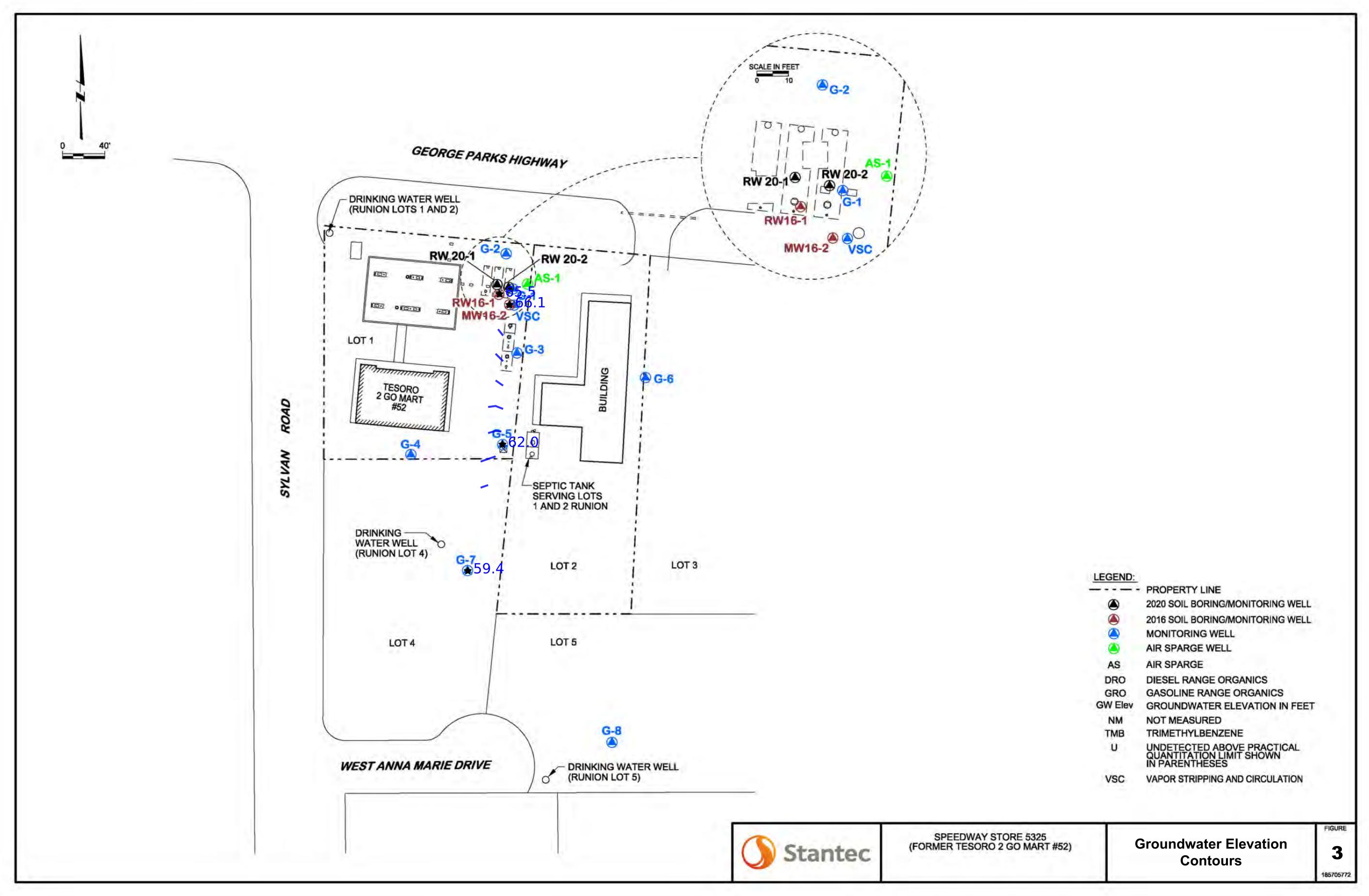
SPEEDWAY STORE 5325 (FORMER TESORO 2 GO MART #52) 1Q - MARCH 2022 QUARTERLY GWM EVENT REPORT

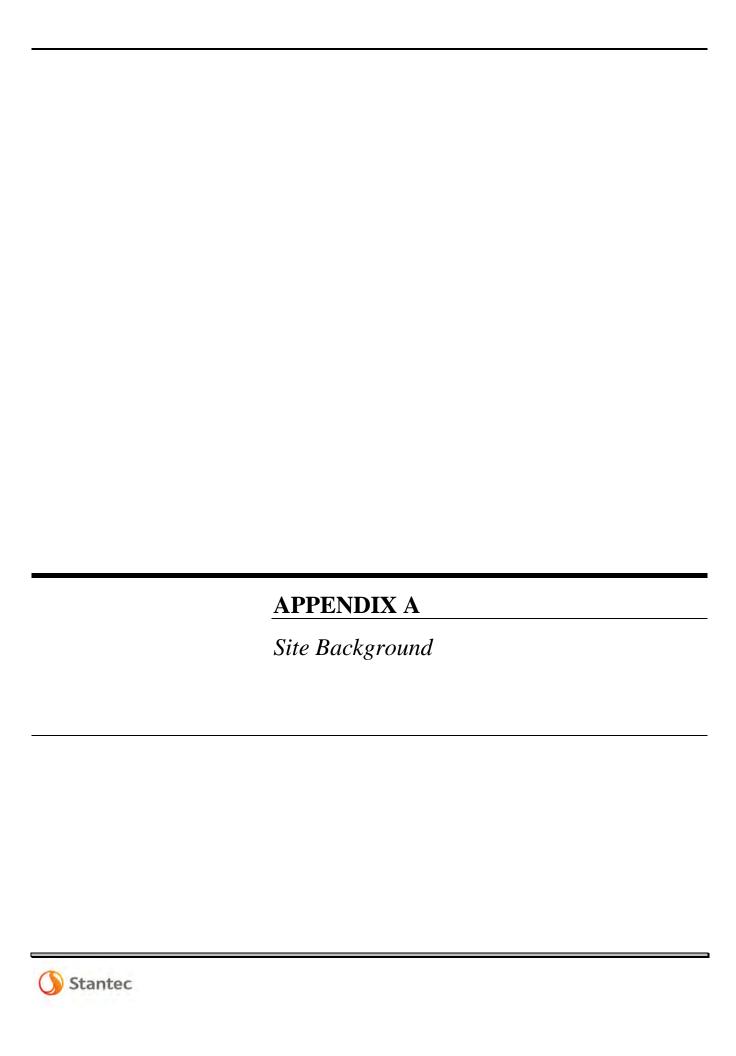
LOCATION AND VICINITY MAP

FIGURE

1857053 300.10







APPENDIX A – SITE BACKGROUND

Tesoro 2 Go Mart #52 (Mile 49 Parks Highway, Wasilla, Alaska) **ADEC Facility ID #648; ADEC File #2265.26.006**

September 1996. During the removal of the former underground storage tank (UST) fueling system (consisting of several fuel dispensers, two 12,000-gallon gasoline, and one 12,000-gallon diesel USTs) on September 7, 1996, petroleum contamination was encountered in the surrounding soil. Gilfilian Engineering conducted the UST site assessment work. Approximately 240 cubic yards of gasoline and 60 cubic yards of diesel contaminated soil was excavated and treated at Alaska Soil Recycling.

February 1997. The Alaska Department of Environmental Conservation (ADEC) reviewed the UST Closure Site Assessment Report prepared by Gilfilian Engineering. Subsequently, a Release Investigation (RI) Work Plan prepared by Gilfilian Engineering was approved by ADEC.

April 1997. The findings of the RI (later referred to as Phase I RI) showed high levels of diesel contamination under the diesel dispenser islands and gasoline contamination under the unleaded gasoline UST to 36 feet below ground surface (bgs). The RI included drilling five soil borings and installing and sampling one groundwater monitoring well (identified as G-1). Groundwater was also found to be contaminated. Subsequently, an ADEC-approved work plan was prepared by Gilfilian Engineering for Phase II RI.

December 1997. Phase II RI report submitted to ADEC. The RI included drilling soil borings and installing and sampling four groundwater monitoring wells (G-2, G-3, G-4 and G-5).

April 1998. ADEC approved the installation of a Soil Vapor Extraction (SVE) system.

June 1998. Gilfilian Engineering submitted a Well Search report to ADEC. The well search targeted an area of 0.25-mile radius centered on the gas station site.

July 1998. ADEC approved the work plan prepared by Gilfilian Engineering for a Phase III RI.

August 1998. A Phase III RI was completed at the site by Gilfilian Engineering. The RI included installing and sampling three groundwater monitoring wells (G-6, G-7, and G-8).

January 2002. Several "rising and falling head hydraulic conductivity tests" (slug tests using the Hvorslev method) were performed by Gilfilian Engineering on January 9, 2002. The hydraulic conductivity at Monitoring Wells G-4 and G-7 exceeded 171 feet/day. Based on the high hydraulic conductivity values, Gilfilian Engineering recommended a pilot test to determine the effectiveness of treating the groundwater with a vapor stripping and circulation (VSC) well.

March/April 2002. One soil boring was drilled on March 6, 2002, for installation of a VSC well. Benzene, toluene, ethylbenzene, and xylenes (BTEX), gasoline range organics (GRO), and diesel range organics (DRO) tested in soil samples collected from the soil boring were detected above

ADEC soil cleanup levels (SCLs). In addition, a second soil boring was drilled for installation of an air sparge (AS) well that was designated AS-1. Benzene, ethylbenzene, and GRO were detected above SCLs and BTEX and GRO were above the ADEC groundwater cleanup levels (GCLs) in AS-1. Pilot testing conducted in March and April 2002 showed the hydrogeological formation could not provide adequate water to operate a VSC or AS system at this site. Continued operation of the SVE system only was recommended, and the VSC well was subsequently connected to the SVE system.

June 2002. The SVE system was re-started on June 25, 2002 and was set to withdraw vapors from Wells SVE-1, SVE-5, and SVE-6. A significant increase in the volatile contaminant concentrations to 139 parts per million by volume (ppmv) as measured by a photoionization detector (PID), was noted in the SVE system discharge. By July 3, 2002, the volatile levels dropped to 58.5 ppmv, which was possibly related to the significant decrease in the thickness of free product measured in Monitoring Well G-1 (SVE-1).

December 2002. An SVE pilot study using a 5-horsepower FL-707 Rotron blower was conducted on December 19, 2002. The purpose was to determine if the use of a larger capacity blower would increase the recovery of volatile petroleum contaminants. The dramatic rise in PID readings during the second quarter of 2002 is attributed to the addition of SVE Wells 5, 6, and VSC.

October 2003. A 1-horsepower air compressor was installed for operation of the AS system. The AS well (AS-1) was previously installed at the site in 2002. The VSC manhole was reconfigured to enhance SVE system performance.

July 2004. The AS system was converted into a VSC system for pilot testing on July 21, 2004. Down well piping was installed in Monitoring Well VSC and connected to the compressor air supply line. Pilot testing indicated the system could be an effective groundwater treatment option. The AS compressor was removed from the site for maintenance.

September 2, 2004. The VSC system was activated following ADEC approval. The VSC system was treating approximately 1 gallon of contaminated groundwater per minute, or 1,440 gallons per day. The treated water was transferred (pumped by air) from the VSC well to Monitoring Well G-1 for circulation.

October 2007. Ten confirmation soil borings (CSB-1 through CSB-10) were installed on October 3 through 9, 2007, near the former USTs and areas of previous investigations across the site. Benzene, ethylbenzene, xylenes, GRO, and DRO were detected above the SCLs in two or more borings. Toluene was the only analyte not detected above the SCLs in any soil boring.

September 2008. Three chemical oxidation applications were completed by MWH Americas, Inc. (MWH). Sampling of groundwater monitoring wells noted benzene, ethylbenzene, and GRO detected above the GCLs in Monitoring Well G-3.

February 2009. Monitoring Well G-3 showed a consistent trend in increased hydrocarbon concentrations, and a fine sediment with a hydrocarbon odor was found in the bottom of the

monitoring well. MWH recommended that the well be re-developed to remove the sediment build-up.

March 2009. Monitoring Well G-3 was redeveloped to remove the dark colored sediment. The sediment was noted to have a slight petroleum odor and heavy sheen.

January/June/August 2010. MWH performed potassium permanganate chemical oxidation treatments on January 27 and 28, June 11, and August 20, 2010. A solution of 3 percent potassium permanganate (180, 646, and 767 gallons, respectively) was injected into several groundwater monitoring wells.

October 30, 2012. The chemical oxidant Klozur CR[®] was injected into three on-site wells (Monitoring Well G-1 and SVE Wells SVE-5 and SVE-6). The Klozur CR[®] injection process was conducted to test the use of the existing remediation infrastructure for a means of delivering the chemical oxidant into the contaminated groundwater aquifer at the site, as well as evaluating the effectiveness of the chemical oxidant.

October 2012. Groundwater sample results were non-detect in all four monitoring wells sampled. The water table was considerably higher than normal, and the absence of dissolved contaminants was assumed to be associated with the high water table. The last time a high water table was observed was in October 2006, and the concentrations were all non-detects in all monitoring wells except for G-3, which was lower than historical concentrations at that time.

January 30, 2013. DRO was detected in Monitoring Wells G-1, G-3, and G-7, and toluene, ethylbenzene, and xylenes were detected in G-3 – with all analytes below the GCLs. The water table was higher than normal, and the concentrations detected were not believed to be indicative of the groundwater conditions at the site.

December 19, 2013. A chemical oxidation application of Klozur CR[®] was injected into three onsite wells: Monitoring Well G-1 and Remediation Wells SVE-5 and SVE-6.

February 2014. Groundwater sampling showed contaminant levels in all monitoring wells that were sampled remained below the GCLs for the last seven monitoring events.

May 2014. DRO was detected in Monitoring Well G-3 at 3.3 milligrams per liter (mg/L), exceeding the GCL for the first time since February 2011. The remediation system was operating on a full-time basis.

October 2014. Groundwater sampling showed contaminant levels in all monitoring wells were below GCLs. The remediation system was operating on a full-time basis.

February 2015. GRO and DRO were detected at 4.8 and 12 mg/L, respectively, in Monitoring Well G-3. All other analytes were below GCLs. Remediation system operating on full-time basis.

May 2015. GRO was detected at 2.6 mg/L in the duplicate sample collected from Monitoring Well G-3, the primary and all other analytes were below GCLs.

September 2015. Groundwater sampling showed contaminant levels in all monitoring wells were below GCLs. The remediation system was operating on a full-time basis.

October 2015. Three CSBs were installed by MWH to investigate the extent of any remaining soil contamination at the site. Two areas were investigated: the former diesel dispensers and the former gas dispensers and USTs. Soils encountered in the area of the former diesel dispensers had elevated headspace field screening results; however, DRO concentrations were below laboratory practical quantitation limits (PQLs). Soils encountered in the area of the former gas dispensers and USTs had detectable concentrations of GRO and one exceedance above the SCLs established for the site. Soil GRO contamination was limited to below the current groundwater level at the site. Similar observations were documented in 2007. Analytical results collected from the 2015 CSBs indicate that concentrations of petroleum contamination remaining at the site are generally decreasing when compared to the analytical results from the 2007 CSBs. Future management strategies at the site may include targeted chemical oxidation in the area of the former gas dispensers and USTs as represented by CSB 9-3, with no further cleanup action at the former diesel dispensers.

November 2015. GRO was detected at 3.2 mg/L in Monitoring Well G-3. An analytical sample was collected from the VSC well which indicated all analytes were below GCLs for the first time since September 2004. The remediation system was offline upon arrival at the site and remained offline pending groundwater conditions and further analytical sampling.

January 2016. The first quarter 2016 monitoring event was conducted on January 28, 2016. Results of the analytical sampling showed that all analytes were below GCLs, except GRO concentrations in Monitoring Well G-3. One or more analytes were detected above the PQLs in all the monitoring wells sampled, except Monitoring Well G-5. Analytical results from Remediation Well VSC were below PQLs.

May 2016. The second quarter 2016 monitoring event was conducted on May 9, 2016. All analytes were below the GCLs, only Monitoring Well G-3 had analytes detected above PQLs. Monitoring Wells G-2 and G-5 had insufficient water for sampling.

Four CSBs were placed at four locations surrounding the 2015 CSB 9-3, to the north, south, east, and west. Two discrete analytical soil samples were collected from CSB 16-1, CSB 16-2, and CSB 16-4, and one sample from CSB 16-3. These samples were collected from the locations with the highest PID readings, or at the water table interface if no detections were observed in field screened samples.

CSB 16-1 and CSB 16-2 (Samples CSB 16-1 38 and CSB 16-2 39), which were the closest to the former USTs and located to the north and east of 2015 CSB 9-3, respectively, both had GRO exceedances similar to the findings of the nearby 2015 Boring CSB 9-3. All the samples which exceeded SCLs were below the water table that was measured at a depth of 35.48 feet btoc in nearby Monitoring Well G-3 at the time of drilling. Analytical results at the water table interface at three locations were below laboratory PQLs. The CSB 16-3 and CSB 16-4, located at a greater

distance from the former USTs compared to CSB 16-1 and CSB 16-3 and to the south and west of 2015 CSB 9-3, did not have analyte exceedances. Soil Borings CSB 16-1 and CSB 16-2 were completed with PVC riser and screen assemblies to provide future access points for monitoring and/or remediation activities.

October 2016. The third quarter 2016 monitoring event took place on October 24, 2016. All wells listed in the 2016 Work Plan to be sampled in the third quarter had sufficient water for sampling. Monitoring Well G-3 had GRO detected above GCL. New Wells RW16-1 and MW16-2 were sampled for the first time. Remediation Well RW16-1 had all analytes, except benzene and toluene, detected above their GCLs. Monitoring Well MW16-2 had analytes detected above PQLs, but none above GCLs. The VSC system was not operating.

December 2016. The fourth quarter 2016 monitoring event took place on December 9, 2016. All wells listed in the 2016 Work Plan to be sampled in the fourth quarter had sufficient water for sampling. Monitoring Well G-3 had GRO detected above GCL (update effective November 6, 2016). Drinking water samples had no detections above PQLs. The VSC system was not operating.

February 2017. The first quarter 2017 monitoring event took place on February 8, 2017. Monitoring Wells G-1 and G-3 purged dry and did not recover sufficiently to allow for sampling. Monitoring Well G-5 was dry upon arrival at the site. Remediation Well RW16-1 and Monitoring Well MW16-2 were sampled. Ethylbenzene, xylenes, GRO, and DRO were detected above GCLs in both wells. The VSC system remained off-line due to low groundwater conditions and/or frozen circulation line. The SVE treatment system was not operational and will require maintenance to the blower system following spring breakup.

April and May 2017. The second quarter 2017 monitoring event took place on April 25, 2017. Analytes were detected above their GCLs in Monitoring Wells G-3, G-5, and MW16-2, and Remediation Well RW16-1. These wells had exceedances of specific volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) consisting of 1,2,4- and 1,3,5-trimethylbenzene compounds and naphthalene.

Routine maintenance was conducted on the SVE and VSC systems, but due to unresolved electrical power/control issues, both systems are currently not operating until additional corrective action services are provided by an electrician.

Also, representative water samples were collected from the domestic water systems serving the existing buildings on Lots 1, 3 and 4 in Runion Subdivision, and were analyzed for public drinking water VOCs and DRO. No detectable levels of contaminants were found in any of the domestic drinking water wells.

On May 3, 2017, the first phase of the pilot test was initiated with an injection of a chemical oxidant (chemox) consisting of Klozur CR^{\circledast} into the new Remediation Well RW16-1. The pilot test will be continued during the third and fourth quarters of 2017, when the wells will be resampled to determine the impact of the chemox injection. Subject to the findings of the 2017 monitoring events, the pilot test may be continued in 2018 with several more injections of Klozur CR^{\circledast} .

October 2017. The fourth quarter 2017 monitoring event took place on October 20, 2017. DRO was detected above the GCL in Monitoring Well G-3. Analytes detected above their GCLs in MW16-2 included: ethylbenzene, GRO, naphthalene, and 1,2,4-trimethylbenzene.

The SVE and VSC treatment systems were not operating due to electrical control systems malfunctions. The treatment systems are scheduled for replacement and/or upgrade in 2018.

The pilot test program for the chemox injection was initiated in May 2017 in accordance with the ADEC approved work plan for the 2017 Work Plan Task 3. The test results for intrinsic parameters measured during the October 2017 monitoring event indicate no unusual findings and will be monitored in future quarterly monitoring events scheduled for 2018 with additional applications of Klozur CR[®] into Remediation Well RW16-1.

February 2018. The first quarter 2018 monitoring event took place on February 13, 2018. Analytes detected above their GCLs included ethylbenzene and GRO in Monitoring Well MW16-2 and DRO in Monitoring Well G-3.

The SVE treatment system was off-line pending repairs. The operation of the VSC system was interrupted in the second quarter of 2017 relating to an issue with the variable frequency drive on the compressor and will be brought back online when the system can be evaluated by a licensed electrician.

Ongoing monitoring of sodium and total organic carbon, relating to the May 2017 chemical oxidation pilot test, showed elevated concentrations of both analytes in Monitoring Well G-3. Conductivity was also found to be elevated in Monitoring Well G-1, which may also indicate the presence of residual chemical oxidant.

August 2018. The third quarter monitoring event took place on August 17, 2018. Results of the analytical sampling showed petroleum hydrocarbon contaminant concentrations exceeding the GCLs for: DRO in Monitoring Wells G-1 and G-3; GRO in Monitoring Well 16-2, and ethylbenzene, xylenes, GRO, and DRO in Remediation Well 16-1.

Several analytes for VOCs and polynuclear aromatic hydrocarbons (PAHs) were reported as undetected but had laboratory reporting limits that equaled or exceeded their corresponding GCLs. These undetected analytes were noted in all the wells that were sampled.

Also, representative water samples were collected from the domestic water systems serving the existing buildings on Lots 1&2, 4, and 5 in Runion Subdivision, and were analyzed for public drinking water VOCs. All the domestic drinking water wells were found to have no detectable levels of contaminants of concern.

The SVE and VSC treatment systems are not operating pending future repairs and/or modifications to the electrical systems which will be evaluated by a licensed electrician.

October 2018. The fourth quarter groundwater monitoring event was conducted on October 25, 2018. The monitoring event included measuring depth to water, field intrinsic water quality

parameters, and collecting and analyzing groundwater samples from Monitoring Wells G-1, G-3, G-5, G-7, and MW16-2. Results of the analytical sampling showed petroleum hydrocarbon contaminant concentrations exceeding the GCLs for: DRO in Monitoring Well G-3; and 1,2,4-trimethylbenzene in Monitoring Well 16-2.

The VSC treatment system is currently operating and pumping, via the air-lift pump, approximately 2 to 3 gallons per minute on a continuous basis. During the 3rd quarter of 2018, Stantec completed a chemox injection Klozur One[®]. Fifty-five pounds of Klozur One[®] was mixed with approximately 100 gallons of clean water. The chemox solution was injected into Remediation Well RW 16-1.

February 2019. The first quarter 2019 monitoring event took place on February 26, 2019. The monitoring event included measuring depth to water, field intrinsic water quality parameters, and collecting and analyzing groundwater samples from Monitoring Wells G-1, G-3, G-5, G-7, and MW16-2. The depth to water and field intrinsic water quality parameters were also measured in Remediation Well RW16-1. Results of the analytical sampling showed petroleum hydrocarbon contaminant concentrations exceeding the GCLs for: DRO in Monitoring Well G-3 and GRO in Monitoring Well 16-2.

The VSC and SVE treatment systems were found to be off (inoperative) upon arrival at the site due to an apparent power surge. Upon restart of the systems, the recirculation line was found to be frozen. The VSC and SVE systems were left off until spring thaw.

April 2019. The second quarter 2019 groundwater monitoring event was conducted on April 23 and 24, 2019. The monitoring event included measuring depth to groundwater and field intrinsic water quality parameters and collecting and analyzing groundwater samples from Monitoring Wells G-1, G-2, G-3, G-4, G-5, G-7, and MW16-2 and Remediation Well RW16-1.

Based on the groundwater depth measurements, the average hydraulic gradient was determined to be flowing to the south at a bearing of 183 degrees with a gradient of 0.02 feet per foot. Groundwater flow direction and gradient was noted to be consistent with the historical results for this site.

Results of the analytical sampling showed petroleum hydrocarbon contaminant concentrations exceeded the GCLs for the following monitoring wells:

- Monitoring Well G-3 –DRO, 1,2,4-Trimethylbenzene, and 1,3,5-Trimethylbenzene
- Monitoring Well MW16-2 –GRO, 1,2,4-Trimethylbenzene, and 1,3,5-Trimethylbenzene

Representative water samples were also collected from the domestic water systems serving the existing buildings on Lots 1&2, 4, and 5 in Runion Subdivision, and were analyzed for drinking water analyses and DRO. All the domestic drinking water wells were found to have no detectable levels of contaminants of concern.

During this monitoring event, the on-site groundwater remediation system, consisting of a VSC system was inspected to determine its operational condition. The VSC treatment system was found

to be off (in-operative) upon arrival at the site due to an apparent power surge. The VSC system was left off until such time the electrical supply system could be evaluated to determine the cause of the power outages to the VSC compressor.

July 2019. The third quarter 2019 groundwater monitoring event was conducted on July 16, 2019. The monitoring event included measuring depth to groundwater and field intrinsic water quality parameters and collecting and analyzing groundwater samples from Monitoring Wells G-1, G-3, G-5, G-7, and MW16-2. In addition, depth to groundwater was measured at Monitoring Well G-4 and Remediation Well RW16-1 and field intrinsic water quality parameters were measured at Remediation Well RW16-1.

Based on the groundwater depth measurements, the average hydraulic gradient was determined to be flowing to the south at a bearing of 300 degrees with a gradient of 0.011 feet per foot. Groundwater flow direction and gradient were noted to be inconsistent with the historical results for this site. The change in groundwater flow may be a result of elevation changes due to "frost jacking" of the well casings on one or more monitoring wells that were noted during the sampling event. The elevations of the wells will be resurveyed during the 4th quarter monitoring event.

Results of the analytical sampling showed petroleum hydrocarbon contaminant concentrations exceeded the GCLs for the following monitoring wells:

- Monitoring Well G-1 –DRO
- Monitoring Well G-3 –DRO
- Monitoring Well MW16-2 –GRO

The VSC groundwater treatment system was found to be off (inoperative) upon arrival at the site due to an apparent power surge. On a subsequent site visit conducted during the week of July 22, the VSC compressor was activated and currently remains operational. On July 25, 2019, Stantec injected a chemox solution consisting of 55 pounds of Klozur One® via a pressurized pump system into the remediation well RW 16-1.

October 2019. The fourth quarter 2019 groundwater monitoring event was conducted on October 17, 2019. The monitoring event included measuring depth to groundwater and field intrinsic water quality parameters and collecting and analyzing groundwater samples from Monitoring Wells G-1, G-3, G-5, G-7, and MW16-2. In addition, depth to groundwater was measured at Monitoring Well G-4.

Based on the groundwater depth measurements, the average hydraulic gradient was determined to be flowing to the southwest at a bearing of 221 degrees with a gradient of 0.022 feet per foot. Groundwater flow direction and gradient were noted to be consistent with the historical results for this site. The elevations of the wells were resurveyed during this monitoring event.

Results of the analytical sampling showed petroleum hydrocarbon contaminant concentrations exceeded the GCLs for the following monitoring wells:

- Monitoring Well G-3: DRO
- Monitoring Well MW16-2: 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene

The VSC groundwater treatment system was found to be operating within the normal range of performance with the production of 1 to 2 gallons per minute of recirculated groundwater with an air lift pump in the VSC well. Stantec injected a chemox solution consisting of 55 pounds of Klozur One® via gravity flow into the remediation well RW 16-1.

August 2020. This third quarter 2020 Monitoring Event Report was conducted on August 12, 2020 and included the following tasks: Measuring depth to groundwater, measuring field intrinsic water quality parameters, checking the operation of the in-situ remediation system, and collecting and analyzing groundwater samples from Monitoring Wells G-1, G-3, G-5, MW16-2, and remediation well RW16-1.

Results of the analytical sampling showed petroleum hydrocarbon contaminant concentrations exceeded the groundwater cleanup levels (GCLs) for the following monitoring wells:

• Remediation Well RW16-1: Ethylbenzene, xylenes, diesel range organics (DRO), and gasoline range organics (GRO)

Based on the groundwater depth measurements and the elevation survey of the tops of the monitoring wells, the average hydraulic gradient was determined to be flowing to the south-southeast at a bearing of 171 degrees with a gradient of 0.018 feet per foot. Groundwater flow direction and gradient were noted to be consistent with the historical results for this site.

During this monitoring event, the on-site groundwater remediation system, consisting of a vapor stripping and circulation (VSC) system was inspected to determine operational condition. The VSC compressor that operates the air-lift well was not operating due to a recent power outage. The compressor was activated and the flow from the air-lift well was adjusted to provide a constant flow of approximately 1 to 2 gallons per minute of aerated groundwater that is discharged into MW-1 for recirculation.

October 2020. This fourth quarter 2020 Monitoring Event was conducted on October 2, 2020. Results of the analytical sampling showed petroleum hydrocarbon contaminant concentrations exceeded the groundwater cleanup levels (GCLs) for the following monitoring well:

• Remediation Well RW16-1: Ethylbenzene, xylenes, diesel range organics (DRO), and gasoline range organics (GRO).

Analytical results by Test Method 545.1 (see **Appendix E**) showed no evidence of contamination for the on-site and nearby drinking water wells serving the following properties: Runion Subdivision Lots 1 and 2, Runion Subdivision Lot 4, and Runion Subdivision Lot 5.

Based on the groundwater depth measurements and the elevation survey of the tops of the monitoring wells, the average hydraulic gradient was determined to be flowing to the south-southwest at a bearing of 191 degrees with a gradient of 0.007 feet per foot. Groundwater flow direction and gradient were noted to be similar with the historical results but slightly lower gradient, as shown on the groundwater flow summary ("rose diagram") presented on Figure 2.

During this monitoring event, the on-site groundwater remediation system, consisting of a vapor stripping and circulation (VSC) system (see Figure 3) was inspected to determine operational condition. The VSC compressor that operates the air-lift well was operational and providing adequate flow upon arrival on site.

On October 27, 2020 Stantec finished the installation and development of two 4-inch diameter chemox injection wells, RW 20-1 and RW 20-2, located north of Remediation Well RW16-1. On November 27, 2020 Stantec conducted the first 2020 injection of a chemox Klozur One® solution into the new chemox injection remediation wells, RW 20-1 and RW 20-2. The installation of the new wells will be described in a technical memorandum that will be submitted to ADEC.

March 2021. This first quarter 2021 monitoring event was conducted on March 31, 2021. Results of the analytical sampling showed petroleum hydrocarbon contaminant concentrations exceeded the groundwater cleanup levels (GCLs) for the following monitoring/remediation wells:

- Remediation Well RW 16-1: Ethylbenzene, xylenes, DRO, and GRO. Benzene practical quantitation limits exceeded ADEC groundwater cleanup levels (GCLs).
- Monitoring Well MW 16-2: GRO.

Due to limited data of groundwater elevations in measured wells and their linear positions across the site, the hydraulic gradient and flow direction of the groundwater table could not be calculated for this monitoring event.

During this monitoring event, the on-site groundwater remediation system, consisting of a vapor stripping and circulation (VSC) system (see Figure 3) was inspected to determine operational condition. The VSC compressor that operates the air-lift well was operational but the air-lift well was not checked to determine if the well was discharging to the recirculation/receiving well (MW G-1). The staff noted there was a significant ice plug at the top of MW G-1 which prevented access to the well.

May 2021. This second quarter 2021 monitoring event was conducted on May 18, 2021. Results of the analytical sampling showed petroleum hydrocarbon contaminant concentrations exceeded the groundwater cleanup levels (GCLs) for the following monitoring wells:

- Remediation Well RW 16-1: Ethylbenzene, xylenes, diesel range organics (DRO), gasoline range organics (GRO), 1,2,4 trimethylbenzene, and 1,3,5 trimethylbenzene. Benzene practical quantitation limits exceeded ADEC groundwater cleanup levels (GCLs).
- Monitoring Well MW G-3: DRO.
- The naphthalene practical quantitation limits exceeded ADEC groundwater cleanup levels (GCLs) in all of the wells sampled

The hydraulic gradient across the site was found to be approximately 0.020 feet per foot directed toward the south at 182 degrees; however, the hydraulic flow of the groundwater does not take into account the groundwater level in MW G-1 since this well receives influent pumped from the air-lift well described in the following paragraph. The groundwater gradient and flow direction are generally consistent with past monitoring events.

During this monitoring event, the on-site groundwater remediation system, consisting of a vapor stripping and circulation (VSC) system that includes of an air-lift well (see Figure 3), was inspected to determine operational condition. The VSC compressor that operates the air-lift well was operational and observed to be discharging to the recirculation/receiving well (MW G-1). In addition, a chemox injection into the groundwater table via remediation wells RW 20-1 and RW 20-2 was completed during the monitoring event. A total of 220 pounds of Klozur One® and approximately 500 gallons of clean water from the store's water system was injected.

July 2021. Results of the analytical sampling showed petroleum hydrocarbon contaminant concentrations exceeded the groundwater cleanup levels (GCLs) for the following monitoring well:

- Monitoring Well G-3: DRO, naphthalene, and both species of trimethylbenzene (TMB).
- Remediation Well RW 16-1: Benzene, ethylbenzene, xylenes, GRO, DRO, and both species of TMB.
- In addition, the RDL for naphthalene in all wells was above the GCL.

The average groundwater gradient across the site was calculated by triangulation to be 0.021 feet per foot to the south-southwest at 207 degrees, as shown in **Figure 3**. This is consistent with historical groundwater gradient and direction of flow data.

During this monitoring event, the on-site groundwater remediation system, consisting of a vapor stripping and circulation (VSC) system (see **Figure 3**) was inspected to determine operational condition. The VSC compressor that operates the air-lift well was not operational due to mechanical failure in one of the fins.

The remediation event on July 21st, 2021, consisted of a total chemical oxidation (chemox) injection of 220 pounds of Klozur[®] One product combined with 110 gallons of potable water from Tesoro store into two treatment points (RW 20-1 and RW 20-2). The solution was further pushed into the formation with an additional 420 gallons of water.

October 2021. Results of the analytical sampling showed petroleum hydrocarbon contaminant concentrations exceeded the groundwater cleanup levels (GCLs) for the following monitoring well:

• Remediation Well RW 16-1: Benzene, ethylbenzene, xylenes, GRO, DRO, 1,2,4- and 1,3,5-TMB. In addition, the lab RDL for naphthalene in this well was above the GCL.

Analytical results showed no evidence of VOC or DRO contamination for the on-site and nearby drinking water wells serving the following properties: Runion Subdivision Lots 1 and 2, Runion Subdivision Lot 4, and Runion Subdivision Lot 5.

Earlier this year the compressor for the VSC system seized up and was shut down for several months. In September of this year, Stantec ordered a replacement blower that consisted of a Becker compressor model DT-4.10, 0.6 horsepower. The blower was placed into operation on October 4,

2021 and continues to operate the air-lift well to this date on a continuous basis (24-hours per day). The VSC/air-lift well discharges into MW G-1 at an estimated rate of 1 to 2 gpm.

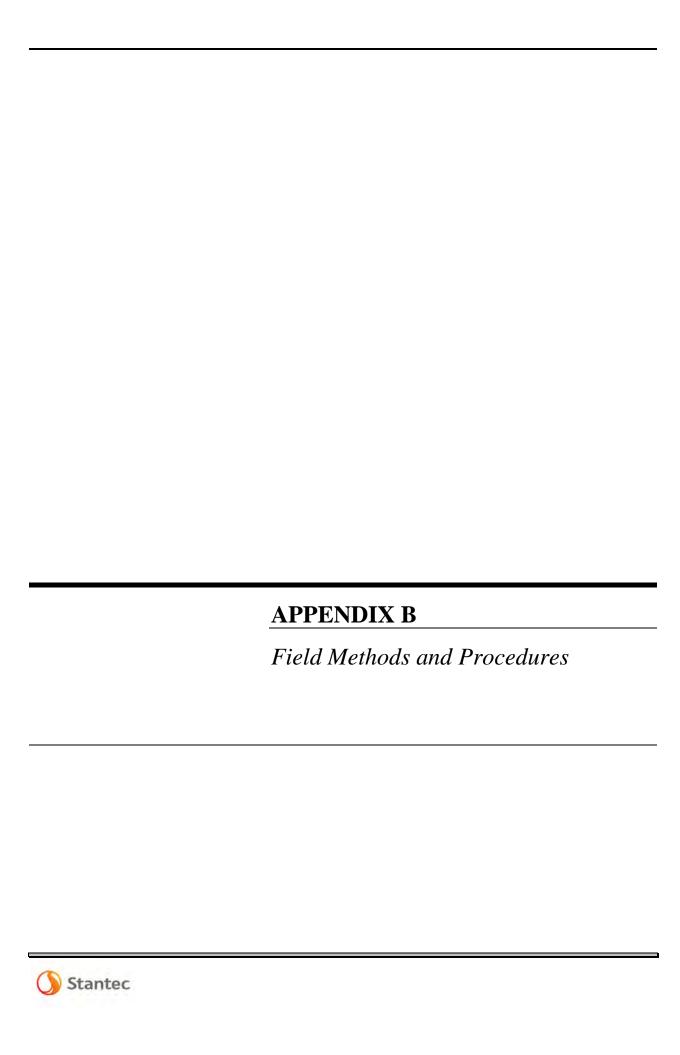
March 2022. Results of the analytical sampling showed petroleum hydrocarbon contaminant concentrations exceeded the groundwater cleanup levels (GCLs) for the following monitoring well:

- Remediation Well RW 16-1: Ethylbenzene, xylenes, gasoline range organics (GRO), diesel range organics (DRO), naphthalene, 1,2,4-Trimethylbenzene (TMB), and 1,3,5-TMB. In addition, the lab's reported detection limit (RDL) for benzene and toluene were above the GCL.
 - A duplicate sample was collected from RW16-1, and confirms the exceedances in ethylbenzene, xylenes, GRO, DRO, naphthalene, 1,2,4-TMB, and 1,3,5-TMB, but concentrations of benzene and toluene in the duplicate sample were below GCLs.

The average groundwater gradient across the site was calculated based off a figure provided by the SampleServe[™] program at 0.033 feet per foot to the south-southeast at approximately 198 degrees. This is consistent with historical groundwater gradient and direction of flow data.

The on-site groundwater remediation system, consisting of a vapor stripping and circulation (VSC) system was not assessed due to the presence of ice in the receiving well, MW G-1. However, it was noted the VSC compressor that operates the air-lift well was operational upon arriving at the site. The air-lift well typically discharges an approximate flow rate of 1 to 2 gallons per minute (gpm) into MW G-1.

The remediation event on March 24, 2022, consisted of a chemical oxidation (chemox) injection of a total of 110 pounds of Klozur One[®] product mixed with 100 gallons of potable water from Tesoro store into each of the two injection wells (RW 20-1 and RW 20-2). The total amount of 220 pounds of chemox was injected into the groundwater table and an additional several hundred gallons of potable water used to hydraulically "push" the chemox solution into the aquifer.



APPENDIX B – FIELD METHODS AND PROCEDURES

Speedway Store 5325 (former Tesoro 2 Go Mart #52)

The following table presents the proposed tasks for the Alaska Department of Environmental Conservation (ADEC) approved 2022 Corrective Action Plan (CAP). The scope of these tasks is based on the results and findings of the monitoring and remediation completed to date at this site.

2022 Work Plan Schedule for Speedway Store 5325 (Tesoro 2GoMart 52)

v	Work Plan Task 2022		2 nd Quarter	3 rd Quarter	4 th Quarter
	Monitoring Wells: G-1, G-3, G-5, and G-7	V, G, D, S & I	V, G, D, S, & I	V, G, D, S & I	V, G, D, P, S & I
	RM 16-1 & MW 16-2	V, G, D, P, S & I	V, G, D, P, S & I	V, G, D, P, S & I	V, G, D, P, S & I
Task 1	Monitoring Wells G-2 and G-4				V, G, D, P, S & I
	Drinking Water Wells serving Lots 1 and 2, Lot 4, and Lot 5 in Runion Subdivision				D & E
Task 2	O&M Air-Lift Well Remediation System	✓	✓	✓	✓
Task 3	Chemical Oxidation Treatment	✓	✓	✓	✓

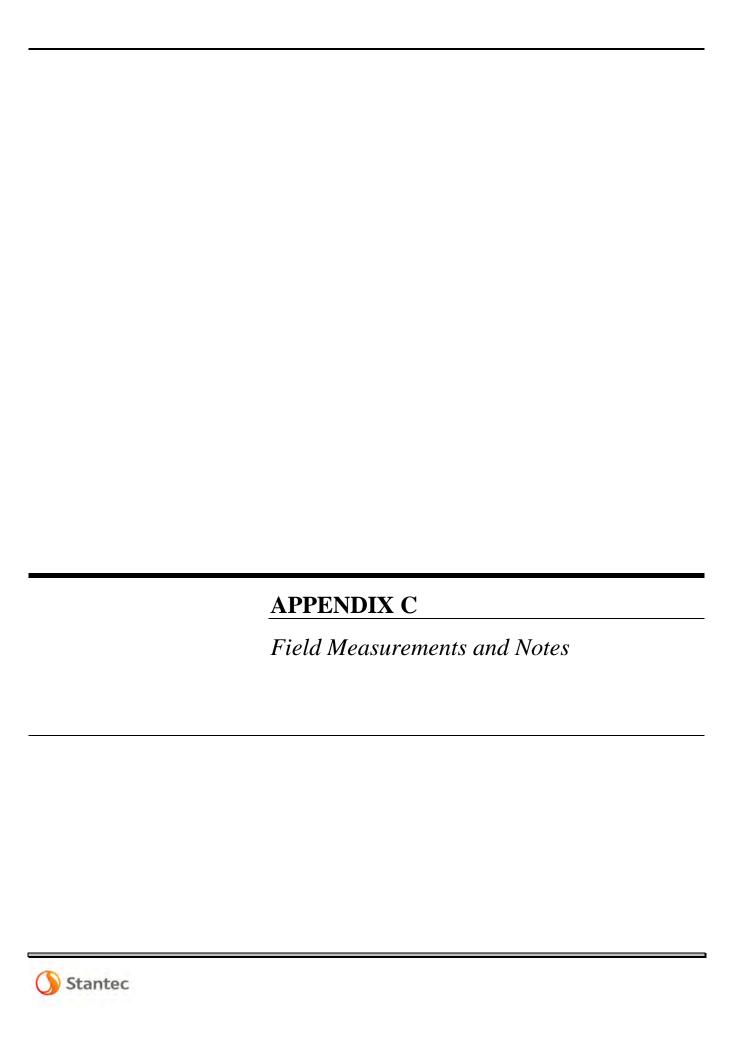
Key:

- AK Alaska Test Method
- D Diesel range organics by AK102.
- E Drinking water parameters by EPA Method 524.1.
- G Gasoline range organics by AK101.
- I-Intrinsic indicators include: dissolved oxygen, specific conductance, oxygen-reduction potential, pH, and temperature.
- O&M Operation and Maintenance
- V Volatile organic compounds by EPA Test Method 8260C.
- S Sodium analyzed by Metals (ICP) Method 6010C.
- P Polynuclear aromatic hydrocarbons (PAHs), i.e., semi-volatile organic compounds associated with petroleum fuel, by EPA Test Method 8270D Selective Ion Monitoring (SIM).

The CAP for the year 2022 will be implemented by Stantec on behalf of Speedway. Groundwater monitoring will be conducted to track migration and trends of contaminants that are present at the site.

All sampling activities will be completed in accordance with ADEC's *Underground Storage Tanks Procedures Manual*—*Standard Sampling Procedures* (March 22, 2017). The methods that will be used for conducting a monitoring event, unless otherwise noted in the monitoring report, will include:

- The static water levels in the monitoring wells will be measured with respect to the top of each well casing. The elevation of the static water level will be based on an arbitrary datum established on-site during a vertical control survey that will be completed by Stantec on an annual basis. The survey will be performed during the summer after the seasonal frost layer thaws.
- The monitoring wells will be purged of a minimum of three well bore volumes prior to collecting the water samples. A new, disposable, Teflon[®] bailer will be used to sample each well. The first bail of water removed from each well will be examined for petroleum odor, sheen, and any other unique physical features.
- Water samples will be collected in laboratory-supplied sample containers. The samples will be delivered to an ADEC-approved laboratory in accordance with standard chain-of-custody procedures.
- Additional water samples will be collected from the monitoring wells after the well has been purged, as described above, and tested in the field for chemical and physical intrinsic parameters listed in the 2022 Work Plan Schedule shown above.



Speedway #5325 Site Name: TNS52

Date: 03/18/2022

Name(s):

Location ID	GPS Latitude (decim	al)	GPS Longitude (decimal)	
G-1	61.5821862902		-149.630815567	
Field Data				
Sampler Names:		Sheen/Odor?:		
pH:		Specific Conductance:		
DO:		Temperature (C):		
ORP:		Purge Volume (gal):		
Notes:				







Speedway #5325 Site Name: TNS52

Date: 03/21/2022, 8:35 AM

Location ID GPS Latitude (decimal) GPS Lor			jitude (decimal)		
G-5 61.581788987 -149.630			62504		
Field Data					
Sampler Names	: Remi, Luke		Sheen/Odor?:		
pH: 6.35			Specific Conductance: 494.2		
DO: 0			Temperature (C): 5.8		
ORP:		Purge Volume (gal):			
Notes: DO was at11,,,water was transparent orange, orp 202.4					



Name(s): Remi Malenfant



Speedway #5325 Date: 03/18/2022, 3:53 PM Name(s): Remi Malenfant

Speedway #5325 Site Name: TNS52

Location ID	GPS Latitude (decimal)	GPS	Longitude (decimal)
G-7	61.581454289	-149	.631059783
Field Data			
Sampler Names	:		Sheen/Odor?:
pH: 5.81			Specific Conductance: 375.6
DO: 8.63			Temperature (C): 5.7
ORP:			Purge Volume (gal):
Notes: Clear. Ve	ery little water no sediment orp251	.9	



Speedway #5325 Date: 03/18/2022, 2:06 PM Name(s): Remi Malenfant

Speedway #5325 Site Name: TNS52

Location ID	GPS Latitude (decimal)	GPS Longitud	de (decimal)
RW16-1	61.5821994	-149.6309133	
Field Data			
Sampler Names:			Sheen/Odor?:
pH: 6.78			Specific Conductance: 415.1
DO: 11.99			Temperature (C): 3.5
ORP:			Purge Volume (gal):
Notes: Clear, no o	oder. Orp 271.0, purged dry after 1 g	gallon needed 2.5	



Speedway #5325 Date: 03/21/2022, 8:34 AM Name(s): Remi Malenfant

Speedway #5325 Site Name: TNS52

Location ID	GPS Latitude (decimal)	GP	S Longitude (decimal)
RW16-2	61.5821668	-14	49.6308637
Field Data			
Sampler Names:	Luke, Remi		Sheen/Odor?:
pH: 6.74			Specific Conductance: 431.7
DO: 1.14			Temperature (C): 3.8
ORP:			Purge Volume (gal):
Notes: Translucer	nt light grey to tan. Orp 244.2		

Speedway #5325 Site Name: TNS52			Date: <u>0</u>	3/18/2022		Nar	Name(s):				
Well ID	Time of Day	Depth to Product	Depth to Water	Depth to Bottom	Product Thickness	Well Diameter	Well Material	Comment(s) on Condition of Well			
RW16-2	14:20		33.34	37.52							
G-1								Compromised Frozen solid. Light ice cap at top inside well, broke though to find a solid plug about 1 foot further downhill.			
G-7	15:21		40.22	41.75							
RW16-1	12:45		33.93	39.89				Ysidro ODO climbing past 17.95 before purging. Will try to verify with ysi pro			
G-5	10:29		39.39	41.34							



	Free Product (ft)	Water (ft)	Bottom (ft)
G-1	N/A		
TOC	Well Dia. (in)	Screen Length (ft)	Well Material
99.29	4.0		PVC
Latitud	de (decimal)	Longitude (decimal)	Weather
61 59	21862002	-140 630915567	

Type/Model Meter Us	sed:	
Calibrated: (date)	(time)	_
Cell Vol:	<u> </u>	
Type/Model Pump Us	sed:	_
Pump Intake?	ft	
Above / Below	Bottom / TOC	

Analytical Parameters	Bottles to be filled
Sodium	1 X 250 mL Poly ✓
GRO	3 X 40 mL Amber VOAs ✓
BTEX	3 X 40 mL Amber VOAs √
PAH	2 X 40 mL Amber VOAs ✓
DRO	2 X 100 mL Amber Glass ✓







Purge water disposal: Pour on ground

		Purge water disposal: Pour on ground												
Time	Depth to Water (ft)	Flow Rate (ml/Min)	рН		Conductivity H (ms/cm)		Turbidity (NTU)		Dissolved O2 (mg/l)		Temp. (Celsius)		Oxygen Reduction Potential (ORP) mv	
		\times	Reading	Change* (±0.1)	Reading	Change* (±3%)	Reading	Change* (±10% or <5)	Reading	Change* (±10% or <0.5)	Reading	Change* (±3%)	Reading	Change* (±10mv)

Sample Collected? No Time Total Pumped from Well? 0

NOTES / COMMENTS:

- Compromised - Frozen solid. Light ice cap at top inside well, broke though to find a solid plug about 1 foot further downhill.



Speedway #5325 Date: 03/21/2022, 8:35 AM Site Name: TNS52

Name(s): Remi Malenfant

Well ID	Free Product (ft)	Water (ft)	Bottom (ft)		
G-5	N/A	39.39	41.34		
TOC	Well Dia. (in)	Screen Length (ft)	Well Material		
101.41					
Latitude (decimal)		Longitude (decimal)	Weather		
61.581	788987	-149.630862504			

Type/Model Meter	Used:						
Calibrated: (date) _		(time)					
Cell Vol:							
Type/Model Pump	Used:						
Pump Intake?		ft					
Above / Below	Bottom	/ TOC					

Analytical Parameters	Bottles to be filled
Sodium	1 X 250 mL Poly ✔
DRO	2 X 100 mL Amber Glass ✓
BTEX	3 X 40 mL Amber VOAs ✓
GRO	3 X 40 mL Amber VOAs ✓
PAH	2 X 40 mL Amber VOAs ✓



Time	Depth to Water (ft)	Flow Rate (ml/Min)	рН		Conductivity pH (ms/cm)		Turbidity (NTU)		Dissolved O2 (mg/l)		Temp. (Celsius)		Oxygen Reduction Potential (ORP) mv	
10:29	39.39	\times	Reading	Change* (±0.1)	Reading	Change* (±3%)	Reading	Change* (±10% or <5)		Change* (±10% or <0.5)	Reading	Change* (±3%)	Reading	Change* (±10mv)
Sample Co	ollected?	Yes			Time	08:35	_			Total Pum	ped from	Well?	0	Gal

NOTES	S / COMMENTS:				



G-7 N/A 40.22 41.75 TOC Well Dia. (in) Screen Length (ft) Well Material 99.61 Latitude (decimal) Longitude (decimal) Weather 61.581454289 -149.631059783 Type/Model Meter Used: Calibrated: (date) (time) Cell Vol: Type/Model Pump Used: Pump Intake? ft Above / Below Bottom / TOC Time (ft) Flow Water Rate (ft) (ml/Min) pH (ms/cm) Conductivity (NTU) Dissolved O2 (mg/l) (Celsius) Change* Change* Change* Change* Change* PAH 2 X 40 mL Amber VOAs ✓ Sodium 1 X 250 mL Poly ✓ GRO 3 X 40 mL Amber VOAs ✓ DRO 2 X 100 mL Amber VOAs ✓ Time (ml/Min) pH (ms/cm) (Turbidity (mg/l) (Celsius)	Site N	Speed ame: <u>TNS52</u>	lway #53 2	25		Date: <u>03/</u>	18/2022,	3:53 P	PM	_		Name(s):	Remi M	alenfant		
PAH	Well ID	Free Product (ft)	Water (1	ft)	Bottor	n (ft)			Во	ttles to be	filled					
STEX				,			PAH				nber					
VOAs	TOC	Well Dia. (in)	Screen	Length (ft)	Well M	laterial	BTEX		-		nber					
Second	99.61															
Type/Model Meter Used:			_) Weath	er	Sodium		1 X	(250 mL P	oly 🗸					
John March (1986) Call Vol: Call Vol:							GRO				nber					
TypeModel Pump Used:	Calibra	ated: (date)		(time)			DRO		2 X	(100 mL A	mber					
Pump Intake?									\vdash							
Depth to Water (ht)									Г							
Depth to Water Fine (ft) Water Fine (ft) Rate (ml/Min) pH Conductivity (ms/cm) Turbidity (ns/cm) Dissolved O2 (mg/l) Temp. (Celsius) Potential (ORP) mv Potential (OR				_												
Depth to Water Fine (ft) Water Fine (ft) Rate (ml/Min) pH Conductivity (ms/cm) Turbidity (ns/cm) Dissolved O2 (mg/l) Temp. (Celsius) Potential (ORP) mv Potential (OR																
15:21 40.22 Reading Change* Reading Change* (±10% or <5) Reading Change* (±10% or <	Time	Water	Rate	nl							ı				Redu Potentia	iction al (ORP)
15:21 40.22 Reading Change* (±0.1) Reading Change* (±3%) Reading Or <5) Reading Or <0.5) Reading Change* (±10my) Reading Chang	Tillle	(11)	(1111/191111)	pi	1	(1115			(14					sius)	"	IV .
Sample Collected? Yes Time 15:53 Total Pumped from Well? 0 Gal	15:21	1 40.22	X	Reading		Reading	Change* (±3%)		ing	(±10%		(±10%		Change* (±3%)	Reading	Change* (±10mv)
	 Sample	e Collected?	Yes			Time	15:53					Total Pum	ped from \	Well?	0_	Gal
				<u> </u>												



Site Nan	Speedvne: TNS52	way #53	25		Date: <u>03/</u>	18/2022,	2:06 PN	1_		Name(s):	Remi M	lalenfant		
Well ID	Free Product (ft	t) Water	(ft)	Bottor	n (ft)	Analytica Paramete		Bottles to be	filled					
RW16-1		33.93	,	39.89		Sodium	1	X 250 mL P	oly 🗸					
TOC	Well Dia.	Scree	n Length (f	t) Well M	laterial	DRO		X 100 mL A Blass √	mber					
99.43	/					BTEX		X 40 mL An ⁄OAs √	nber					
Latitude	(decimal)	Longit (decim		Weath	er	PAH	2	X 40 mL An	nber					
61.5821	994	-149.6	309133			GRO		X 40 mL An	nber	-				
Type/Mo	del Meter U	sed:						/OAs √		QA/QC: Du	plicate #1			
Calibrate Cell Vol:	ed: (date)		(time)											
	del Pump U	sed:												
	take?													
Above /		Bottom								J				
Time	Depth to Water (ft)	Flow Rate (ml/Min)	р	Н		uctivity s/cm)		rbidity NTU)		solved O2 (mg/l)		mp. sius)	Redu Potenti	/gen uction al (ORP) nv
12:45	33.93	X	Reading	Change* (±0.1)	Reading	Change* (±3%)	Readin	Change* (±10% g or <5)		Change* (±10% ng or <0.5)		Change* (±3%)	Reading	Change*
					1	1		1		1	1		1	1

 Sample Collected?
 Yes
 Time
 14:06
 Total Pumped from Well?
 0
 Gal

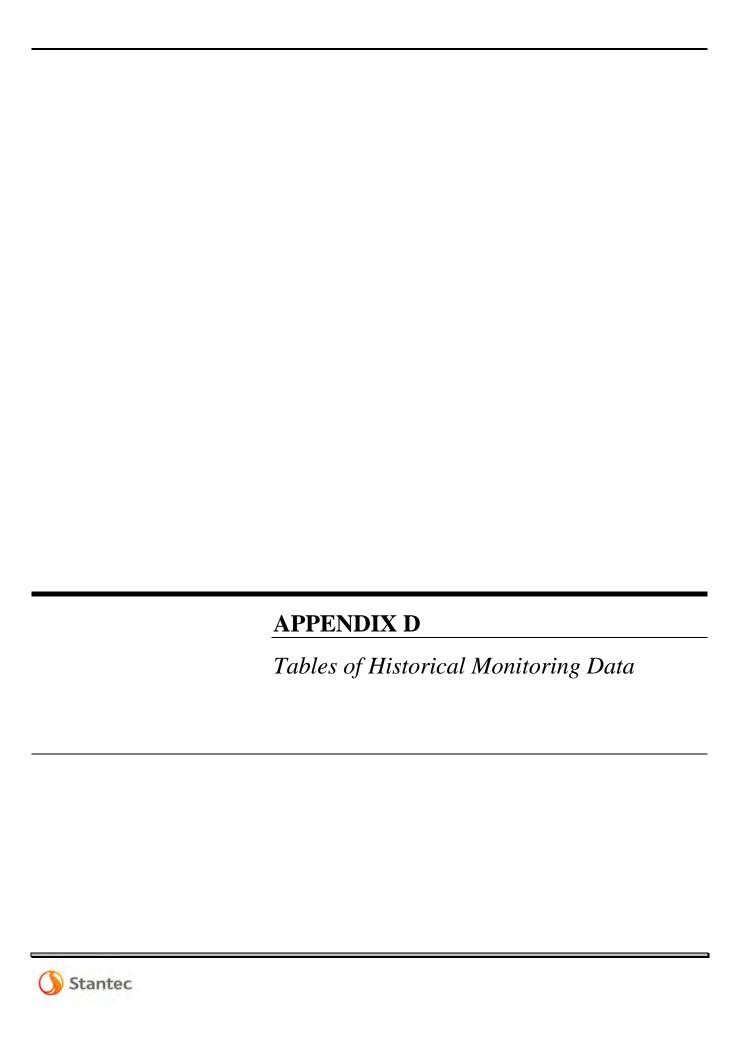
NOTES / COMMENTS:

- Ysidro ODO climbing past 17.95 before purging. Will try to verify with ysi pro



Site Nan	Speedvne: TNS52	vay #53	25		Date: <u>03/</u>	/21/2022,	8:34 AN	<u>L</u>	I	Name(s):	Remi M	lalenfant		
Well ID	Free Product (ft) Water	(ft)	Bottor	n (ft)	Analytica Paramete		ottles to be	filled					
RW16-2		33.34	,	37.52		PAH		X 40 mL Ar	nber					
TOC	Well Dia.	_	n Length (f		aterial			OAs 🗸						
	(in)			.,		GRO		X 40 mL Ar OAs √	nber					
99.43						Sodium	1	X 250 mL F	Poly 🗸					
Latitude	(decimal)	Longiti (decim	nal)	Weath	er	DRO		X 100 mL A	mber					
61.5821	668	-149.6	308637			BTEX		X 40 mL Ar	nher					
Type/Mo	del Meter U	sed:				DIEX.		OAs √						
Calibrate	ed: (date)		(time)											
Cell Vol:														
Type/Mo	del Pump U	sed:												
	ake?													
Above /	Below	Bottom	/ TOC											
Time	Depth to Water (ft)	Flow Rate ml/Min)	р	Н		uctivity :/cm)		bidity	1	ved O2 g/l)		mp. sius)	Redu Potenti	/gen uction al (ORP) nv
14:20	33.34	\times	Reading	Change* (±0.1)	Reading	Change* (±3%)	Reading	Change* (±10% or <5)		Change* (±10% or <0.5)	Reading	Change* (±3%)	Reading	Change (±10mv)
	ĺ													
								+						
								+						
								+						
								+						
							 	+						
								+						
							-	+						
							-	+						

Sample Collected? Yes Time 08:34 Total Pumped from Well? 0 Gal NOTES / COMMENTS:



Speedway #5325 TNS52 Speedway - Anne Duarte 7172 W Parks Hwy Wasilla, Alaska 99623		180	School Mer.	Society Parker Electrical Parker Electrical Parker Electrical Parker E	War.	Philipsen (Chillian)	//060/260 /35.	124 (17M8	**************************************	all		Joe Joe		l e e e e e e e e e e e e e e e e e e e
	Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
GW Human Heal	th Cleanup				0.0017	<u>0.015</u>	0.12	0.015	0.19	<u>2.2</u>	0.0046	<u>1.5</u>	<u>1.1</u>	
	G-1 04/24/1997 09/03/1997 12/29/1997 04/23/1998 08/03/1998 11/02/1998 02/12/1999 05/10/1999 05/11/1999 05/31/1999 10/29/1999 02/08/2000 06/08/2000 08/30/2000 11/30/2001 05/10/2011 08/16/2001 11/09/2001 02/15/2002 08/14/2002 11/14/2002 01/28/2003 04/17/2003 07/17/2003 07/17/2003 10/02/2004 04/13/2004 07/20/2004 09/02/2004 01/13/2004 01/13/2004 01/28/2005 04/11/2005					12 5.2 1.5 4.1 3 4.76 4 5.6 0.035 4.4 0.11 0.92 2.3 4.7 2.62 0.652 1.75 3.64 9.94 6.15 5.37 1.04 4.55 6 5.34 5.39 6.37 2.67 2.67 2.62 0.0343 0.0374			64 41 9.3 23 19 27.12 24 — — 0.21 26 0.61 5 11 25 15.36 6.18 9.55 21.59 51.88 37.27 27.17 7.55 26.9 35.6 33.4 34.8 37.5 26.2 18.4 1.87 0.582 0.306	170 85 34 91 76 70 91 0.89 10 2.3 19 42 94 41.1 113, 99.6 66.1 113 199.6 105 24.8 117 104 137 109 87.1 48.5 5.98 2.08 0.963	3.7 0.001 0.042 0.13 0.14 0.121 0.001 	11 12 3.3 8.3 12 5.58 19 0.45 0.33 0.57 1.9 5.2 1.99 3.16 3.66 92.6 11.2 1.51 3.83 4.7 8.34 U (0.32) 10.6 6.97 8.09 4.94 1.99 0.818 0.818	28 12 2 3.9 3.1 4.59 5.4 	
				1				_ _ _ _ _	0.306 0.0031 0.0713 0.0482 6.64	0.963 U (0.05) 0.24 0.141 24.8		0.78 0.528		

Speedway #5325 TNS52 Speedway - Anne Duarte 7172 W Parks Hwy Wasilla, Alaska 99623	Ŷ	Screen hier	So. Tey Mater E.	ole miles	in the state of th	Monteno 13r	12.	/**/M8	e e e e e e e e e e e e e e e e e e e		OD.		ouelle de la company de la com
Ur	it ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
GW Human Health Cleanu	р			0.0017	0.015	0.12	0.015	0.19	<u>2.2</u>	0.0046	<u>1.5</u>	<u>1.1</u>	
07/06/20			_	_	0.00289	_	_	0.0539	0.153	U (0.0005)	U (0.394)	0.00359	1
10/26/20			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	` ,	U (0.0005)	
02/02/20 04/19/20			_	_	0.257	_	_	<u>1.95</u> 1.12	<u>7.79</u> 4.12	U (0.0005) U (0.0005)	1.04 0.894	0.21 0.165	
08/07/20				_	<u>0.13</u> 0.0392	_	_	0.277	0.891	U (0.0005)	0.694	0.0536	
10/23/20				_	U (0.0005)	_		0.00566	U (0.05)	U (0.0005)		U (0.0005)	
02/21/20			_	_	O (0.0000)	_	_	0.00000	O (0.00)	O (0.0000)	O (0.424)	0 (0.0000)	
02/22/20			_	_	0.00712	_	_	0.068	0.229	U (0.0005)	0.479	0.0129	
04/15/20			_	_	0.0137	_	_	0.116	0.45	U (0.0005)	0.667	0.0247	
08/27/20	08		_	_	0.00397	_	_	0.0477	0.172	U (0.0005)	U (0.4)	0.00662	
10/22/20	08		_	_	<u>0.0226</u>	_	_	<u>0.255</u>	0.742	U (0.0005)	U (0.427)	0.032	
02/05/20			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	U (0.463)	U (0.0005)	1
02/19/20			_	_	_	_	_	_	_	_	_	_	1
04/08/20			_	_	U (0.0005)	_	_	0.0021	U (0.05)	U (0.0005)		U (0.0005)	1
07/09/20			_	_	U (0.001)	_	_	0.0188	0.106	U (0.0005)		0.00137	1
11/04/20			_	_	0.00624	_	_	0.0639	0.271	U (0.0005)		0.00856	1
01/27/20 05/27/20				_	U (0.001) 0.0117	_	_	0.0168 0.0923	0.0757 0.257	U (0.0005) U (0.0005)	0.844 0.538	0.00123 0.0114	1
08/19/20				_	0.000537	_	_	0.0923	0.237	U (0.0005)		U (0.0005)	1
10/26/20					0.000337	_		0.0103	0.181	U (0.0005)	0.993	0.00441	
02/17/20			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	0.491	U (0.0005)	
06/09/20			_	_	0.000945	_	_	0.0425	0.143	U (0.0005)	0.635	0.000913	
09/20/20			_	_	U (0.0005)	_	_	0.00236	U (0.05)	U (0.0005)		U (0.0005)	1
10/21/20			_	_	0.0565	_	_	0.345	0.851	U (0.0005)		0.0121	
02/17/20	12		_	_	0.00235	_	_	0.041	0.0787	U (0.0005)	0.712	0.00128	
05/17/20	12		_	_	<u>0.025</u>	_	_	0.339	0.941	U (0.0005)	0.596	0.00572	
07/18/20			_	_	_	_	_	_	_	_	_	_	
09/05/20			_	_	0.0139	_	_	0.145	0.404	U (0.0005)		0.00468	
10/30/20			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	U (0.439)	U (0.0005)	
01/30/20			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	0.461	U (0.0005)	
02/15/20				_	0.014	_	_	0.166	0.248	U (0.0005)	U (0.424)	0.00067	
05/10/20 10/11/20			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)		U (0.0005)	1
12/11/20					U (0.0003)	_		U (0.0013)	U (0.05)	U (0.0005)		U (0.0003)	
02/19/20					U (0.0005)	_		0.00281	U (0.05)	U (0.0005)		0.000667	1
05/01/20			_	_	0.0038	_	_	0.028	0.11	U (0.0005)	U (0.41)	U (0.001)	
10/30/20			_	_	U (0.0005)	_		U (0.0015)	U (0.05)	U (0.0005)	U (0.41)	U (0.0005)	1
02/11/20			_	_	`	_	_	`	` _	_	` _	` _	1
05/15/20			_	_	U (0.003)	_	_	U (0.002)	U (0.05)	U (0.002)	0.34	U (0.002)	1
09/02/20			_	_	U (0.001)	_	_	U (0.003)	0.15	U (0.0002)	U (0.40)	U (0.001)	1
10/14/20	15		I —	_	-	_	_	I –	ı –	ı —	ı –	ı –	1

Speedway #5325 TNS52 Speedway - Anne Duarte 7172 W Parks Hwy Wasilla, Alaska 99623	Š	School Me.	So. Key E.	Ma.	ole la				all de		Joseph Joseph		ou line
Un	it ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
GW Human Health Cleanu				0.0017	0.015	0.12	<u>0.015</u>	0.19	2.2	0.0046	1.5	1.1	
11/12/20 01/28/20 01/28/20 05/09/20 10/24/20 12/09/20 02/08/20 04/24/20 04/25/20 10/20/20 02/13/20 08/17/20 10/25/20 04/24/20 04/23/20 04/24/20 04/24/20 07/16/20 10/17/20 08/12/20 10/02/20 03/03/20 03/31/20 05/18/20 07/21/20 10/13/20 03/18/20	166 166 167 177 188 188 199	93.3 97.11 97.04 66.87	23.4	U (0.000250)	0.000325	U (0.00100) 0.000151	U (0.00100) 0.000527	U (0.0020) U (0.003)	U (0.050) U (0.050) U (0.050) U (0.05) U (0.05) — U (1.0) U (1.0) U (0.25) U (0.100) 0.0337 — 0.0152 — 0.182	U (0.0020) U (0.0020) U (0.0002) U (0.0002) U (0.0002) U (0.0002) U (0.002) U (0.002) U (0.003) U (0.003) U (0.003) U (0.003) U (0.003) U (0.003) U (0.001) U (0.001) U (0.001) U (0.001)	0.63 0.88 U (0.41) U (0.41) U (0.11) 0.99 1.4 0.88 1.6 U (0.12) 0.51 U (0.25) 1.6 U (0.12) 0.242 U (0.824) 0.405 0.518	U (0.0020) U (0.0020) U (0.001) U (0.001) U (0.002) U (0.001)	
03/18/20. G 04/24/19; 09/03/19; 12/29/19; 04/23/19; 08/03/19; 11/02/19; 05/10/19; 05/11/19; 08/30/19; 08/33/19; 10/29/19; 02/08/20(06/08/20(2							0.0023 0.0021 U U U U U U U	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט		ר כ ט ר ר ר ר ר ר ר ר ר ר ר ר ר ר ר ר ר ר	0.001 0.001 U 0.002 U U U U U	

Speedway #5325 TNS52 Speedway - Anne Duarte 7172 W Parks Hwy Wasilla, Alaska 99623	Š	S. S	Isomo Water E.	Weight Miles	Tohn Halene			/ / / / / / / / / / / / / / / / / / /			Joe Joe		ou la
Un	it it	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
GW Human Health Cleanu	•			0.0017	<u>0.015</u>	0.12	<u>0.015</u>	0.19	<u>2.2</u>	0.0046	<u>1.5</u>	<u>1.1</u>	
08/30/200			-	_	-	_	_	l .	l . .			l . .	
11/30/200			_	_	U	_	_	U	U	U	U	U	
02/05/200			-	_		_	_					l	
05/10/200			_	_	0.005	_	_	0.021	0.114	U	U	υ	
08/16/200					U	_	_		_ U	U	U U		
11/09/200				1	U	_			l			1	
02/15/200 05/30/200					_	_	_	_			_	_	
08/14/200			_	_	_	_	_	_			_	_	
11/14/200			1			_		_		_		_	
01/28/200			_					_					
04/17/200			_		_	_	_	_			_		
07/17/200			_			_		_			_	_	
10/02/200			_			_		_					
01/20/200													
04/13/200			_		0.000557	_	_	0.00745	U (0.05)	U (0.0005)	U (0.5)	U (0.0005)	
07/20/200			_	_	0.000337	_	_	0.00743	0 (0.03)	0 (0.0003)	0 (0.5)	0 (0.0003)	
09/02/200			_	_	_	_	_	_	l _	_	_	l _	
10/13/200			_	_		_	_	l _	_	_	_	l _	
01/28/200			_	_		_	_	l _	l _	_	_	l	
04/11/200			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	0.421	U (0.0005)	
08/12/200			_	_	- (0.0000)	_	_	0 (0.0010)	0 (0.00)	— (0.0000) —	-	0 (0.0000)	
10/07/200			_	_	_	_	_	_	_	_	_	l _	
02/14/200			_	_	_	_	_	l –	l _	_	_	l –	
04/18/200			_	_	_	_	_	_	l —	_	_	l _	
07/06/200			_	_	_	_	_	_	l —	_	_	l —	
10/26/200			_	_	_	_	_	_	l —	_	_	l –	
02/02/200			_	_	_	_	_	_	l —	_	_	l —	
04/19/200)7		_	l –	_	_	_	l –	l –	_	_	l –	
08/07/200)7		_	l –	_	_	_	l –	l –	_	_	l –	
10/23/200)7		_	l –	_	_	_	l –	l –	_	_	l –	
02/21/200)8		_	l –	_	_	_	l –	l –	_	_	l –	
02/22/200)8		_	_	_	_	_	–	l —	_	_	l –	
04/15/200)8		-	_	_	_	_	–	–	_	_	l –	
08/27/200			_	_	_	_	_	–	–	_	_	–	
10/22/200			-	_	_	_	_	–	–	_	_	–	
02/05/200			-	-	_	_	_	–	–	_	_	–	
02/19/200			-	_	_	_	_	-	–	_	_	-	
04/08/200			-	_		_	_	-	-	_	_	-	
07/09/200			-	_	_	_	_	-	-	_	_	-	
11/04/200)9		l —	I —	_	_	_	_	I —	_	_	I —	I

Speedway #5325 TNS52 Speedway - Anne Duarte 7172 W Parks Hwy Wasilla, Alaska 99623		a di	School Mer.	So. Tell Marie E.	Maria (evalio)	oloje di di	When the he	8ML 57	/ 9M/ 1/198	al de la company		l'reme		ou o
	Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
GW Human Health Cle	-				0.0017	0.015	0.12	<u>0.015</u>	0.19	<u>2.2</u>	0.0046	<u>1.5</u>	<u>1.1</u>	
	7/2010			_	_	_	_	_	_	_	_	_	_	
	7/2010			_	_	_	-	_	_	_	_	_	_	
	9/2010			_	_	_	_	_	_	_	_	_	_	
	6/2010 7/2011			_	_	_	_	_	_	_	_	_		
	9/2011			_	_		_	_			_			
	0/2011			_			_							
	1/2011			_			_							
	7/2012			_	_		_	_	_	_	_	_	_	
	7/2012			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	U (0.410)	U (0.0005)	
	8/2012			_	_	_	_	_	_	_	_		_	
	5/2012			_	_	_	_	_	_	_	_	_	_	
	0/2012			_	_	_	_	_	_	_	_	_	_	
	0/2013			_	_	_	_	_	_	_	_	_	_	
	5/2013			_	_	_	_	_	_	_	_	_	l –	
05/10	0/2013			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	U (0.446)	U (0.0005)	
10/1	1/2013			_	_		_	_		· —				
12/1	1/2013			_	_	-	_	_	_	_	_	_	_	
02/1	9/2014			_	_	_	_	_	_	_	_	_	_	
	1/2014			_	_	U (0.001)	_	_	U (0.001)	U (0.05)	U (0.0005)	U (0.40)	U (0.001)	
10/3	0/2014			_	_	-	_	_	_	_	_	_	_	
	1/2015			_	_	-	_	_	_	_	_	_	_	
	5/2015			_	_	-	_	_	_	_	_	_	_	
	2/2015			_		-	_	_	_	_	_	_	_	
	4/2015			_	_	-	-	_	_	_	_	_	_	
	2/2015			_	_	-	_	_	_	_	_	_	_	
	8/2016			_	_ _ _	_	_	_	_	_	_	_	_	
	9/2016			_		_	_	_	_	_	_	_	_	
	4/2016 9/2016			_	_		_	_	_	_	_		_	
	8/2017			_			_	_	_	_				
	4/2017			_			_	_						
	5/2017			_		U (0.003)	_	_	U (0.002)	U (1.0)	U (0.0002)	U (0.11)	U (0.002)	
	0/2017			_	_	0 (0.003)	_	_	0 (0.002)	0 (1.0)	0 (0.0002)	0 (0.11)	0 (0.002)	
	3/2018			_	_	_	_	_		_	_			
	7/2018			_		U (0.003)	_	_	U (0.003)	U (0.25)	U (0.003)	U (0.12)	U (0.002)	
	5/2018			_	_	_	_	_		- (5.20)	- (5.550)		2 (3.332)	
	6/2019			_	_	_	_	_	_	_	_	_	_	
	3/2019			_	_	_	_	_	_	_	_	_	_	1
	4/2019			_	_	U (0.003)	_	_	U (0.003)	U (0.25)	U (0.003)	U (0.27)	U (0.002)	
07/10	6/2019			_	-	·	_	_	<u> </u>	· –	· –	I –	· -	ĺ

Speedway #5 Speedway - A 7172 W Parks Wasilla, Alask	nne Duarte s Hwy	, si	Screen Mer.	Jaje Maler E.	West Mills	in the second se		2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2	/**/M8	/ all		/ J.) out
	Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
GW	Human Health Cleanup				0.0017	<u>0.015</u>	0.12	<u>0.015</u>	0.19	<u>2.2</u>	0.0046	<u>1.5</u>	<u>1.1</u>	
	10/17/2019			_	_	_	_	-	_	-	_	_	_	
	08/12/2020 10/02/2020		67.82	_	_	U (0.001)	_	_	U (0.002)			U (0.808)	U (0.001)	
	03/03/2021		07.02	_		0 (0.001)			0 (0.002)	0.100)	0 (0.001)	0 (0.606)	0 (0.001)	
	03/31/2021			_					_					
	05/18/2021			_	_	_	_	_	_	_	_	_	_	
	07/21/2021			_	_	_	_	_	_	_	_	_	_	
	10/13/2021		68.29	25.9	U (0.000250)	U (0.001)	U (0.00100)	U (0.00100)	U (0.002)	0.0809	0.000101	0.363	U (0.001)	
	03/18/2022							_	_	_	_	_	_	
	G-3													
	04/24/1997			_	_	<u>5.4</u>	_	_	<u>26</u>	<u>70</u>	0.001	<u>5.1</u>	<u>7.6</u>	
	09/03/1997			_	_	<u>1.4</u>	_	_	<u>7.7</u>	<u>21</u>	<u>0.08</u>	<u>7.5</u>	<u>2</u>	
	12/29/1997			_	_	1.5	_	_	4.7	<u>19</u>	0.057	<u>3.5</u>	0.43	
	04/23/1998			_	_	3.1	_	_	10	<u>40</u>	0.001	<u>6.9</u>	0.49	
	08/03/1998 11/02/1998			_	_	3.3	_	_	<u>10</u> 10.27	<u>39</u>	0.14 0.001	2 42	0.45 0.58	
	02/12/1999			_		<u>3</u> 3.9	_	_	10.27 12	30 48	0.001	2.43 8	0.50	
	05/10/1999			_		<u>5.5</u>	_	_	<u>12</u>	_ 10	0.001	_	0.52	
	05/11/1999			_	_	<u>1.02</u>	_	l –	4.16	<u>14</u>	0.051	<u>17.6</u>	0.12	
	08/30/1999			_	_	1.6	_	l –	3.9	<u>19</u>	0.001	4.6	0.12	
	08/31/1999			_	_	_	_	_	_	l —	_	-	_	
	10/29/1999			_	-	0.017	_	-	0.073	0.32	0.0018	0.92	0.0016	
	02/08/2000			_	_	<u>0.47</u>	_	_	<u>0.89</u>	4 0	0.007	0	0.038	
	06/08/2000			_		0.003	_	_	0.01		0.001	1.1	U	
	08/30/2000			_	_	0.004 <u>0.32</u>	_	-	0.03	0.12	0.001 <u>0.006</u>	0.51	0.0018 0.032	
	11/30/2000 02/05/2001			_		0.32 0.46		_	<u>0.68</u> 0.9	2.9 4.3	0.006	<u>5.5</u> <u>5.9</u>	0.032	
	05/10/2001			_		0.003			0.009	0	0.001	<u>3.9</u> 12.8	U.14	
	08/16/2001			_	_	0.39	_	l –	0.856	2.76	0.005	8.75	0.0613	
	11/09/2001			_	_	0.019	_	_	0.103	0.57	0.034	1.57	0.0828	
	02/15/2002			_	_	0.049	_	l –	0.156	0.87	0.008	<u>70.7</u>	0.119	
	05/30/2002			_	_	<u>0.2</u>	_	_	<u>0.605</u>	<u>2.25</u>	0.021	<u>34.2</u>	0.0809	
	08/14/2002			_	_	0.488	_	_	1.49	5.44	0.029	<u>5.68</u>	0.147	
	11/14/2002			_	_	0.804	_	_	<u>1.9704</u>	<u>8.97</u>	0.0658	4.08	0.186	
	01/28/2003			_	_	0.319	_	-	<u>0.644</u>	2.93	0.0571	7.89	0.0914	
	04/17/2003 07/17/2003			_	_	0.0282 0.0107			0.082 0.0327	0.585 0.233	0.00288 U (0.0005)	4.58 7.48	0.0274 0.0165	
	10/02/2003			_		0.0107	_	_	0.0327		U (0.0005)	1.14	0.0165	
	01/20/2004			_	_	0.000399			0.00232	0.144		1.83	0.00224	
	04/13/2004			_	_	0.0472	_	_	0.148			2.89	0.0461	
	5 10/2001	1			'		•	'			(3.230)			*

Speedway #5325 TNS52 Speedway - Anne Duarte 7172 W Parks Hwy Wasilla, Alaska 99623		Screen Inter-	Social Maries Ele	m) (0)	Tohihalene Eth.	Then kene	/ 8/M/s	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<i>2</i>		one of the original of the ori		%
	ż	§ &				N. E.			9	2		ر کر	999
Unit	It	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	1
GW Human Health Cleanup				0.0017	0.015	0.12	<u>0.015</u>	0.19	2.2	0.0046	<u>1.5</u>	<u>1.1</u>	
07/20/2004	1		_		0.0028	_	_	0.00853	0.164	U (0.0005)	<u>19.4</u>	0.0305	•
09/02/2004			_	_	— — — — — — — — — — — — — — — — — — —	_	_						
10/13/2004	1		_	_	U (0.0005)	_	_	U (0.001)	U (0.08)	U (0.0005)	2.11	0.000537	
01/28/2005 04/11/2005				_	0.00078 0.00232	_		0.0038 0.0253	0.0973 0.127	0.000857 0.00311	3.65 2.58	0.0293 0.0113	
08/12/2005	1		_		U (0.00252	_	_	U (0.0015)	U (0.05)	U (0.0005)	1.14	U (0.0005)	
10/07/2005	1			_	U (0.0005)			U (0.0015)	U (0.05)	U (0.0005)	2.85	0.00234	
02/14/2006			_	_	0.00129	_	_	0.0072	0.215	0.000874	3	0.00204	
04/18/2006			_	_	0.000884	_	_	0.00356	0.181	U (0.0005)	7.64	0.0614	
07/06/2006			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	3.17	0.00252	
10/26/2006			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	1.06	U (0.0005)	
02/02/2007				_	0.0017	_	_	0.0154	0.236	0.00528	2.27	0.0513	
04/19/2007				_	_	_	_	l –	l —			l –	
08/07/2007			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	0.841	U (0.0005)	
10/23/2007			_	_	0.02	_	_	0.0319	0.322	0.00502	1.41	0.0358	
02/21/2008				_	0.067	_		0.144	0.771	0.00517	0.93	0.0307	
02/22/2008				_		_	_	l –	_	_	_	_	
04/15/2008	1			_	<u>0.135</u>	_	_	<u>0.211</u>	1.44	<u>0.00562</u>	0.604	0.04	
08/27/2008				_	0.842	_		<u>2.88</u>	<u>7.26</u>	<u>0.0138</u>	0.978	0.436	
10/22/2008				_	<u>0.96</u>	_		<u>3.57</u>	<u>9.55</u>	0.0124	0.83	0.514	
02/05/2009			_	_	<u>1.17</u>	_	_	<u>4.73</u>	<u>15.7</u>	U (0.01)	0.909	0.234	
02/19/2009	1		_	_	0.0834	_	_	<u>0.241</u>	1.04	0.0071	9.47	0.0493	
04/08/2009			_	_	0.378	_	_	<u>1.43</u>	4.2	U (0.005)	<u>1.51</u>	0.0702	
07/09/2009			_	_	1.12	_	_	4.32	<u>3.01</u>	U (0.0005)	1.81	0.0415	
11/04/2009	1		-	_	0.579	_	_	2.55	12.7	U (0.0005)	U (0.400)	0.101	
01/27/2010	1		_	_	0.337	_	_	<u>2.01</u>	6.47	U (0.0005)	1.12	0.0157	
05/27/2010	1		_		0.0379	_		0.137	0.936	U (0.0005)	1.01	0.000748	
08/19/2010	1		_	_	0.0336	_		0.12	0.933	U (0.0005) U (0.0025)	U (0.403)	0.000756	
10/26/2010 02/17/2011				_	<u>0.153</u> 0.0647	_		0.643 0.222	4.62 2.11	U (0.0025)	U (0.397)	U (0.0025) 0.00112	
06/09/2011				_	0.0666	_	_	0.222	2.11 2.26	0.000536	4.1 U (0.446)	0.00112	
09/20/2011			_	_	0.0235	_		0.0794	1.69	U (0.0005)		0.000718	
10/21/2011			_	_	0.0235	_		0.0794	2.51	0.00107		0.000718	
02/17/2011	1		_	_	0.0536	_		0.103	2.62	0.000809	1.15	0.000792	
05/17/2012			_	_	0.0899	_		0.303	5.91	0.000003	0.56	0.000732	1
07/18/2012			_	_	<u> </u>	_	_		<u> </u>	- 0.00117		0.00.04	
09/05/2012			_	_	0.166	_	_	0.0486	0.71	U (0.0005)	U (0.424)	U (0.0005)	1
10/30/2012	1		_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	U (0.431)	U (0.0005)	
01/30/2013				_	0.0182	_	_	0.0555	0.818	U (0.0005)	0.67	0.00364	1
02/15/2013	1		<u> </u>	_		_	_	-	_		_	-	1
05/10/2013	1		_	_	<u>0.0554</u>	_	l –	0.167	1.35	0.00153	U (0.439)	0.00151	

GW Human Health Cleanup	Speedway #5325 TNS52 Speedway - Anne Duarte 7172 W Parks Hwy Wasilla, Alaska 99623		No.	School Mer.	Jano Water E.	Mar.	oloje di di				al de la company		Joseph Joseph		ou line
10/11/2013	011111111111111111111111111111111111111		ft	ft	ppm	ppm	ppm								
1211/2013 -															
02/19/2014 0.00066 0.0177 0.0005 0.0					_				_						
0.001/2014									_						
10/30/2014									_						
02/11/2015 0.0078 0.015 2.6 0.0002 12 0.0011															
05/15/2015 0.0078 0.015 2.6 U(0.002) 1.3 U(0.002) 10/14/2015 0.0079 0.0084 1.1 U(0.002) U(0.40) U(0.001) 10/14/2015 0.0084 0.069 3.2 U(0.0020) 0.26 U(0.0020) 01/28/2016 0.0086 0.012 1.6 0.0002 0.59 U(0.001) 10/24/2016 0.0086 0.0012 1.6 0.0002 0.58 U(0.0021) 11/29/2016 0.0086 0.0012 1.6 0.0002 0.58 U(0.001) 10/24/2016 0.0017 0.008 4.4 0.0002 0.37 U(0.001) 10/24/2016 0.002 0.0036 4.4 0.0002 0.37 U(0.001) 10/24/2016 0.002 0.0036 4.4 0.0002 0.37 U(0.001) 10/24/2017 0.002 0.0038 4.2 U(0.0022) 0.48 U(0.002) 0.76 U(0.002) 0.77						_									
10/14/2015 0.036 0.069 3.2 U (0.0020) 0.26 U (0.0020) 0/05/92/016 0.0086 0.069 3.2 U (0.0020) 0.26 U (0.0020) 0/05/92/016 0.0086 0.012 1.6 0.0002 0.58 U (0.001) 10/24/2016 0.0017 0.0036 4.4 0.0002 0.58 U (0.001) 11/29/2016 0.0017 0.0036 4.4 0.0002 0.58 U (0.001) 11/29/2016 0.002 0.0038 4.2 U (0.002) 0.48 U (0.002) 0/05/2017 0.002 0.0038 4.2 U (0.002) 0.48 U (0.002) 0/05/2017 0.0089 0.016 0/05/2017 0.0089 0.016 0/05/2017 U (0.003) U (0.003) U (1.0) U (0.002) 0/05/2018 U (0.003) 0.0047 U (1.0) U (0.002) 0/05/2018 U (0.003) 0.0047 U (1.0) U (0.002) 0/05/2018 U (0.003) U (0.003) 0.37 U (0.003) 0/05/2018 U (0.003) U (0.003) 0.37 U (0.003) 0/05/2018 0.006 0.0047 U (1.0) U (0.002) 0/05/2019 0.006											4.0 2.6				
10/14/2015 0.036												,			
11/12/2015						_	0.0079			0.0004	I	0 (0.0002)	0 (0.40)	0 (0.001)	
01/28/2016 0.0086 0.012 1.6 0.0020 0.76 U(0.0020) 10/24/2016 0.0086 0.012 1.6 0.0002 0.58 U(0.001) 11/29/2016 0.0038 0.0038 4.4 0.0002 0.37 U(0.001) 12/29/2016 0.002 0.0038 4.2 U(0.002) 02/29/2017 0.002 0.0038 4.2 U(0.002) 04/24/2017 0.0089 0.016 2.3 U(0.002) 10/20/2017 U(0.003) 0.016 2.3 U(0.002) 10/20/2017 U(0.003) 0.0016 2.3 U(0.002) 10/20/2018 U(0.003) 0.0047 U(1.0) U(0.002) 02/13/2018 U(0.003) 0.0047 U(1.0) U(0.002) 10/25/2018 U(0.003) 0.0093 0.99 U(0.003) 10/25/2018 U(0.003) U(0.003) 10/25/2019 U(0.003) 0.0093 0.99 U(0.003) 02/26/2019 U(0.003) 0.0093 0.99 U(0.003) 02/26/2019 0.006 0.013 1.7 U(0.003) 04/23/2019 0.006 0.013 1.7 U(0.003) 04/23/2019 0.0033 0.0068 1.6 U(0.003) 04/17/2019 0.0033 0.0068 1.6 U(0.003) 08/17/2020 - 67.23 8.35 - 0.000754 0.0068 1.6 U(0.003) 08/17/2020 - 67.23 8.35 - 0.000754 0.00159 0.173 U(0.001) 03/31/2021 - 62.57 123 U(0.002) 05/18/2021 - 64.53 9.61 0.0026 0.0163 0.669 0.0599 0.0015 1.68 U(0.001) 03/31/2021 - 64.53 9.61 0.0026 0.0163 0.0669 0.0599 0.0015 1.68 U(0.001) 03/18/2021 - 64.53 9.61 0.0026 0.0163 0.0669 0.0599 0.0015 1.68 U(0.001) 0.865 U(0.001) 03/18/2021 - 64.53 9.61 0.0026 0.0163 0.0669 0.00928 U(0.002) 0.176 U(0.001) 0.865 U(0.001) 03/18/2021 - 64.53 9.61 0.0026 0.0163 0.0669 0.00928 U(0.002) 0.176 U(0.001) 0.865 U(0.001) 03/18/2021 - 64.53 9.61 0.0026 0.0163 0.0669 0.00928 U(0.002) 0.176 U(0.001) 0.865 U(0.001) 03/18/2021 - 64.53 9.61 0.0026 0.0163 0.0669 0.00928 U(0.002) 0.176 U(0.001) 0.865 U(0.001) 03/18/2021 - 64.53 9.61 0.0026 0.0163 0.0669 0.00928 U(0.002) 0.176 U(0.001) 0.865 U(0.001) 03/18/2021 - 64.53 9.61 0.0026 0.0163 0.0669 0.00928 U(0.002) 0.176 U(0.001) 0.865 U(0.001) 03/18/2021 - 64.53 9.61 0.0026 0.0163 0.0669 0.00928 U(0.002) 0.176 U(0.001) 0.865 U(0.001) 03/18/2021 - 64.53 9.61 0.0026 0.00698 0.000928 U(0.002) 0.176 U(0.						_	0.036			0.069	3.2	LL (0.0020)	0.26	LL (0.0020)	
05/09/2016 0.0086						_					3.2				
10/24/2016 0.0017 0.0036 4.4 0.0002 0.37 U (0.001) 12/29/2016 0.002 0.0038 4.2 U (0.002) 0.48 U (0.002) 02/08/2017						_					1.6				
12/09/2016											4.4				
04/24/2017						_					4.2				
04/24/2017						_	_			_		- (0.002)	_	- (0.00 <u>-</u>	
04/25/2017							_			_		_		_	
02/13/2018					_	_	0.0089			0.016	2.3	U (0.0002)	4.7	U (0.002)	
02/13/2018						_	U (0.003)		_	U(0.003)					
08/17/2018 0.0047 0.0038 0.99 U (0.003) 3.2 0.00091	02	2/13/2018			_		U (0.003)	_		0.0047	U (1.0)	U (0.002)	6.7	0.0054	
10/25/2018	30	8/17/2018			_			_		0.00938		U (0.003)	3.2	0.00091	
02/26/2019	10	0/25/2018			_		U (0.003)	_		U (0.003)	0.37	U (0.003)	2.3	U (0.002)	
04/23/2019	02	2/26/2019			_	_	0.006	_	_	0.013	1.7	U (0.003)	8.5	U (0.002)	
07/16/2019	04	4/23/2019			_	_	-	_	_	_	_	_	_	· —	
07/16/2019	04	4/24/2019			_	_	0.0034	_	_	0.0068	1.6	U (0.003)	<u>7.7</u>	U (0.002)	
08/12/2020	07	7/16/2019			_		0.0033	_	_	0.006	1.3	U (0.003)	<u>4.6</u>	U (0.002)	
10/02/2020	10	0/17/2019			_	_	U (0.003)	_	_	U (0.003)					
03/03/2021					8.35	_			_						
03/31/2021 62.97 123 - - - -				66.91	_										
05/18/2021 64.7 32.2 U (0.00500) U (0.001) 0.0457 0.0452 U (0.002) 1.36 U (0.001) 8.48 U (0.001) 0.00279 U (0.001) 0.0013/2021 64.53 9.61 0.00206 0.00163 0.0669 0.00599 U (0.002) 0.015 1.68 U (0.001) 0.000279 U (0.001) 0.000365 U (0.001) 0.000365 U (0.002) U (0.002) U (0.002) U (0.002) U (0.002) U (0.001) 0.000365 U (0.002) U (0.002) U (0.002) U (0.002) U (0.001) 0.000365 U (0.002) U (0.002) U (0.002) U (0.001) U						_	0.00091	_	_	0.00086	1.01	U (0.001)	1.47	U (0.001)	
07/21/2021 64.53 9.61 0.00206 0.00163 0.0669 0.0015 1.68 U (0.001) 2.32 0.000279 10/13/2021 67.37 10.7 U (0.000250) U (0.001) 0.000365 0.000928 U (0.002) 0.176 U (0.001) 0.865 U (0.001) 0.865 U (0.001) 0.000365 0.000928 U (0.002) 0.176 U (0.001) 0.865 U (0.001) 0.000365 0.000928 U (0.002) 0.176 U (0.001) 0.865 U (0.001) 0.000365 0.000928 U (0.002) 0.176 U (0.001) 0.865 U (0.001) 0.000365 0.000928 U (0.002) 0.176 U (0.001) 0.865 U (0.001) 0.000365 0.000928 U (0.002) 0.176 U (0.001) 0.865 U (0.001) 0.000365 0.000928 U (0.002) 0.176 U (0.001) 0.865 U (0.001) 0.000365 U (0.001) 0.000365 U (0.001) 0.000365 0.000928 U (0.002) 0.176 U (0.001) 0.865 U (0.001) 0.865 U (0.001) 0.000365 U (0.001) 0.000365 U (0.001) 0.000365 U (0.001) 0.000365 U (0.001) U											. —				
10/13/2021															
03/18/2022												- (/			
G-4 O4/24/1997 U 0.0048 U U 0.001 09/03/1997 U U U U U 0.32 U 12/29/1997 U U				67.37	10.7	U (0.000250) —	U (0.001)	0.000365	0.000928	U (0.002)	0.176	U (0.001) —	0.865	U (0.001) —	
04/24/1997 U 0.0048 U U 0.001 09/03/1997 U U U U U 0.32 U 12/29/1997 U U U U U U U U 04/23/1998 U U U U U U U															1
09/03/1997 U U U U U 0.32 U 12/29/1997 U U U U U U U U U U U U U U U U	04	_			_	_	υl	_		0.0048	U	U	_	0.001	1
12/29/1997 U					_								0.32		
04/23/1998					_					_					1
					_	l	ūΙ						Ū		1
08/03/1998 — U — U U U U U —	30	8/03/1998			_	_	υ	_	_	U	U	U	U	_	

Speedway #5325 TNS52 Speedway - Anne Duarte 7172 W Parks Hwy Wasilla, Alaska 99623	N. S.	Screen Inter	So. Tell Marier E.	Wash	Inhalana Eth.	The present	8ML 52	//MB	all	0 2			old de la constant de
Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
GW Human Health Cleanup				0.0017	0.015	0.12	0.015	0.19	2.2	0.0046	<u>1.5</u>	<u>1.1</u>	
11/02/1998			_	_	U	_	_	0.0011	U			0.0012	
02/12/1999			_	_	U	_	_	U	U	U			
05/10/1999			_	_	0.0065	_	_	0.0279	0.091	U	<u>1.98</u>	U	
05/11/1999			_	_	U U	_	_	U	l –	l –	U U	U	
08/30/1999 08/31/1999			_		_	_	_		_	"	ا	ا	
10/29/1999			_		U		_	l –	U	U	U	U	
02/08/2000					_	_		l <u> </u>	_		_		
06/08/2000			_	_	U	_	_	U	U	U	0.3	U	
08/30/2000			_	_	_		_	l <u> </u>	l _	_	_	_	
11/30/2000			_	_	U	_		l u	lυ	U	U	U	
02/05/2001			_	_	_	_	_ _ _	_	_	_	_	_	
05/10/2001			_	_	U	_	_	0.002	lυ	U	U	U	
08/16/2001			_	_	_	_	_	-	_	_	_	_	
11/09/2001			_	_	U	_	_	lυ	lυ	U	U	U	
02/15/2002			_	_	_		_	l –	l —	_	_	_	
05/30/2002			_	_	U	_	_	U	U	U (0.0005)	U	0.003	
08/14/2002			_	_	_	_	_	l –	_		_	_	
11/14/2002			_	_	_	_	_	l –	_	_	_	_	
01/28/2003			_	_		_	_	l –	_	_	_	_	
04/17/2003			_	_	U (0.0005)		_	U (0.001)	U (0.08)	U (0.0005)	U (0.25)	U (0.0005)	
07/17/2003			_	_	_	_	_	-	_	_	_	_	
10/02/2003			_	_	_	_	_	-	_	_	_	_	
01/20/2004			_	_		_	_		<i>.</i> 				
04/13/2004			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	U (0.5)	U (0.0005)	
07/20/2004			_	_		_	_	_	_	_	_	_	
09/02/2004			_	_	_	_	_	_	_	_	_	_	
10/13/2004			_	_	_	_	_	_	_	_	_	_	
01/28/2005 04/11/2005			_	_	U (0.0005)	_		U (0.0015)	U (0.05)	U (0.0005)	1.67	U (0.0005)	
08/12/2005				_	0 (0.0005)	_		0 (0.0015)	0 (0.05)	0 (0.0005)	1.07	0 (0.0005)	
10/07/2005			_	_		_	_			_			
02/14/2006			_										
04/18/2006					U (0.0005)	_		U (0.0015)	U (0.05)	U (0.0005)	11 (0 407)	U (0.0005)	
07/06/2006			_	_	O (0.0003)	_	_	(0.0070)	3 (0.00)	(0.0000)	(0.401)	(0.0000)	
10/26/2006			_	_	_			l _	_	_	_	l _	
02/02/2007			_	_	_	_	_	l _	_	_	_	_	
04/19/2007			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	U (0.431)	U (0.0005)	
08/07/2007			_	_	_	_	_	" (" - 33 . 3)		_	_	` ` ` -	
10/23/2007			_	_		_	_	l –	_	_	-	_	
02/21/2008			_	_	_		_	l —	l —	l —	_	l —	

Speedway #5325 TNS52 Speedway - Anne Duarte 7172 W Parks Hwy Wasilla, Alaska 99623		a di	Streen Me.	Jeno Water E.	Ma.	in the second se				de de la companya de		J. J		old like
	Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
GW Human Healt	-				0.0017	<u>0.015</u>	0.12	<u>0.015</u>	<u>0.19</u>	2.2	0.0046	<u>1.5</u>	<u>1.1</u>	
	02/22/2008			_	_		_	-						
	04/15/2008			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	0.436	U (0.0005)	
	08/27/2008			_	_	_	_	_	_	_	_	_	_	
	10/22/2008 02/05/2009			_	_	_	_	_	_	_	_	_	_	
	02/05/2009			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)		U (0.463)	U (0.0005)	
	04/08/2009			_		0 (0.0003)	_		0 (0.0013)	0 (0.03)	U (0.0005)	0 (0.403)	0 (0.0003)	
	07/09/2009						_	_			0 (0.0003)			
	11/04/2009			_		_	_				_			
	01/27/2010			_		_	_	_			_			
	05/27/2010			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	U (0.431)	U (0.0005)	
	08/19/2010			_	_	O (0.0000)	_	_	0 (0.0010)	0 (0.00)	0 (0.0000)	0 (0.401)	0 (0.0000)	
	10/26/2010			_	_	_	_	l _	_			_	_	
	02/17/2011			_	_	_	_	_	_			_	_	
	06/09/2011			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	U (0.424)	U (0.0005)	
	09/20/2011			_	_	_	_	_	_		_	- (31.12.1)		
	10/21/2011			_	_	_	_	_	_	_		_	_	
	02/17/2012			_	_	_	_	_	_	_		_	_	
	05/17/2012			_	_	U (0.0005)		_	U (0.0015)	U (0.05)		0.819	U (0.0005)	
	07/18/2012			_	_	_		_	_	_		_	_	
	09/05/2012			_	_	_		_	_	_		_	_	
	10/30/2012			_	_	_		_	_	_		_	_	
	01/30/2013			_	_	_	_	_	_	l —	_	_	l –	
	02/15/2013			_	_	_	_	_	_	l —	_	_	l –	
	05/10/2013			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	U (0.463)	U (0.0005)	
	10/11/2013			_	_	· _	_	_	-	' _			-	
	12/11/2013			_	_	_	_	_	_	_		_	_	
	02/19/2014			_	_	_		_	_	_		_	_	
	05/01/2014			_	_	U (0.001)		_	U (0.001)	U (0.05)	U (0.0005)	U (0.42)	U (0.001)	
	10/30/2014			_	_	_	_	_	_	l –	_	_	_	
	02/11/2015			_	_	_	_	_	_	l –	_	_	l –	
	05/15/2015			_	_	U (0.003)	_	_	U (0.002)	U (0.05)	U (0.002)	U (0.23)	U (0.002)	
	09/02/2015			_	_	_	_	_	_	_	_	_	_	
	10/14/2015			_	_	_	_	_	-	_	_	-	_	
	11/12/2015			_	_	_	_	_	_	_	_	-	_	
	01/28/2016			_	_		_	-						
	05/09/2016			_	_	U (0.001)	_	-	U (0.003)	U (0.1)	U (0.0002)	U (0.42)	U (0.001)	
	10/24/2016			_	_	_	_	-	_	-	_	-	_	
	12/09/2016			_	_	_	_	-	_	_	_	-	_	
	02/08/2017			_	_	_	_	-	_	_	_	_	_	
	04/24/2017			_		_	_	_	_		. —	_	. —	

Speedway #5325 TNS52 Speedway - Anne Duarte 7172 W Parks Hwy Wasilla, Alaska 99623	, a	Screen Mer	So. Tey Maker E.	Mas millo	in the second se						Trens		96911
Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
GW Human Health Cleanup				0.0017	<u>0.015</u>	<u>0.12</u>	<u>0.015</u>	<u>0.19</u>	<u>2.2</u>	0.0046	<u>1.5</u>	<u>1.1</u>	l
04/25/2017			_	_	U (0.003)	_	_	U (0.002)	U (1.0)	U (0.0002)	U (0.11)	U (0.002)	i
10/20/2017			_	_	_	_	_	_	-	_	_	_	i
02/13/2018 08/17/2018			_		U (0.003)	_		U (0.003)	U (0.25)	U (0.003)	U (0.12)	U (0.002)	i
10/25/2018					0 (0.003)			0 (0.003)	0 (0.23)	0 (0.003)	0 (0.12)	0 (0.002)	i
02/26/2019			_	_	_	_	_	_	_	_	_	_	i
04/23/2019			_	_	_	_	_	_	_	_	_	_	i
04/24/2019			_	_	U (0.003)	_	_	U (0.003)	U (0.25)	U (0.003)	U (0.28)	U (0.002)	i
07/16/2019			_	_	_	_	_	_	_	_	-	_	i
10/17/2019			_	_	_	_	_	_	_	_	-	_	i
08/12/2020 10/02/2020		60.25	_	_	U (0.001)	_	_	U (0.002)	U (0.100)	U (0.001)	0.281	U (0.001)	i
03/03/2021		00.23			0 (0.001)			0 (0.002)	0.100)	0 (0.001)	0.201	0 (0.001)	i
03/31/2021			_		_	_		_		_	_	_	i
05/18/2021		56.48	_	_	_	_	_	_	_	_	_	_	i
07/21/2021		56.71	_	_	_	_	_	_	_	_	_	_	i
10/13/2021		60.82	21.9	U (0.000250)	U (0.001)	U (0.00100)	U (0.00100)	U (0.002)	0.058	U (0.001)	0.313	U (0.001)	i
03/18/2022							_		_	_		_	i
G-5													i
04/24/1997			_	_	<u>0.91</u>	_	_	<u>5.2</u> <u>5.4</u>	<u>17</u>	0.032	_	0.56	i
09/03/1997			_	_	1.1	_	_	<u>5.4</u>	25 19	0.001	<u>4.8</u>	U	i
12/29/1997 04/23/1998				_	<u>1</u> 0.38	_	_	4.7 1.7	19 11	0.065 0.048	4 2.7	0.15 0.068	i
08/03/1998					<u>0.30</u> U	_	_	0.0019		0.001	0.27	U.000	i
11/02/1998			_	_	<u>0.12</u>	_	_	0.0013 0.27	<u>3.7</u>	0.026	1.82	0.01	i
02/12/1999			_	_		_	_		_			_	i
05/10/1999			_	_	_	_	_	_	_	_	_	_	i
05/11/1999			_	_	_	_	_	_	_	_	-	_	i
08/30/1999			_	_		_	_	_	_	0.044		0.000	i
08/31/1999 10/20/1999			_	_	0.34 0.066		_	<u>0.9</u> 0.11	4.6 2.7	0.011 0.024	0.95	0.029 0.006	i
10/29/1999 02/08/2000					0.053		_	0.11	<u>2.7</u> 4.2	0.024	0.4	0.006	i
06/08/2000					0.023			0.1	0.61	0.001	0	U.000	i
08/30/2000			_	_	0.004	_	_	0.008	0.22	0.001	0.001	Ü	i
11/30/2000			_	_	0.079	_	_	0.14	<u>3.9</u>	0.012	0.49	0.006	i
02/05/2001			_	_	0.016	_	_	0.026	2.1	0.015	0.32	0.008	i
05/10/2001			_	_	<u>0.061</u>	_	_	0.1	1.62	0.007	0.001	U	i
08/16/2001			_	_	0.042	_	_	0.065	2.74	<u>0.031</u>	U	0.011	i
11/09/2001			_	_	U	_	_	0.002	0.258	0.004	U	U	i
02/15/2002			_	_	_	_		_	ı –	ı —	I	_	

Speedway #5325 TNS52 Speedway - Anne Duarte 7172 W Parks Hwy Wasilla, Alaska 99623		W.	School Mer.	Social Maler Ele	Wall State of the	Tohihalene Eth.	Then kene	/ / / / / / / / / / / / / / / / / / /	/**/W8	all		one of the original of the ori		ou o
	Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
GW Human Healt	h Cleanup				0.0017	0.015	0.12	0.015	0.19	<u>2.2</u>	0.0046	<u>1.5</u>	<u>1.1</u>	
GW Human Healt	h Cleanup 05/30/2002 08/14/2002 11/14/2002 11/14/2003 04/17/2003 04/17/2003 10/02/2004 04/13/2004 07/20/2004 01/28/2005 04/11/2005 08/12/2005 10/07/2005 02/14/2006 04/18/2006 04/08/2007 08/07/2007 08/07/2007 08/07/2007 08/07/2007 08/07/2007 08/07/2007 08/07/2007 08/07/2007 08/07/2007 08/07/2007 08/07/2007 08/07/2007 08/07/2007 08/07/2007 08/07/2007 08/07/2008 02/07/2008 02/05/2008 04/15/2008 02/05/2009 02/19/2009 04/08/2009				0.0017 	0.015	<u>0.12</u>	<u>0.015</u>	U (0.002) 0.0667 0.186 0.184 0.217 U (0.0015) 0.0239 0.113 0.02 0.0117 U (0.0015) U (0.0015) 0.0066 0.24 0.103 U (0.0015) 0.0227 0.007 0.00603 0.0523	2.2 2.53 0.137 2.4 3.14 2.72 4.33 	0.0046	1.5	1.1 0.003 U (0.002) U (0.02) U (0.005) 0.00577 — U (0.0005) U (0.0005) 0.00155 0.00198 0.000845 U (0.0005) U (0.0005)	
	07/09/2009 11/04/2009 01/27/2010 05/27/2010 08/19/2010 10/26/2010 02/17/2011 06/09/2011 09/20/2011				- - - - - - -	0.184 0.292 0.499 0.406 0.233 0.0449 0.108 0.173 0.0362	- - - - - -	 - - - - -	0.284 0.645 1.51 1.22 0.977 0.0723 0.472 0.856 0.138	2.51 4.13 7.17 5.19 3.27 0.741 3.11 5.08 0.975	0.00267 0.00365 0.00385 0.0022 0.00105 U (0.0022) 0.00291 0.00199	U (0.410) U (0.397) U (0.427) 0.668 0.415	0.00452 0.00739 0.0313 0.0218 0.00307 U (0.0005) 0.0034 0.00405 0.00133	

Unit ft ft ppm ppm	Speedway #5325 TNS52 Speedway - Anne Duarte 7172 W Parks Hwy Wasilla, Alaska 99623	į	Screen Me.	Social Maries Ele	dim evalio,	oloje de la companya	Monteno /	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	**************************************	all	<u></u>	OD.		l linea
Color	Unit	tt T	·/ 6	nnm	/ Nom	nnm l	nnm							
10/21/2011 0.0121 0.0303 0.365 U (0.0005) U (0.439) U (0.0005) O2/17/2012 0.0807 0.476 2.8 0.00403 0.726 0.00497 O5/17/2012 0.0125 0.0378 0.683 0.000704 0.541 0.000734 O7/18/2012		- 10	- 10	ррш										
02/17/2012 0.0807 0.476 2.8 0.00403 0.726 0.00497 05/17/2012 0.0125 0.0378 0.683 0.000704 0.541 0.000734 09/05/2012 <t< td=""><td><u> </u></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	<u> </u>			_										
05/17/2012 0.0125 0.0378 0.683 0.000704 0.541 0.000734				_	_					<u>2.8</u>				
09/05/2012					_	0.0125	_	_	0.0378	0.683	0.000704	0.541	0.000734	
10/30/2012 U (0.0005) U (0.00					_	_		_	_	_		_	-	
01/30/2013 U (0.0005) U (0.0015) U (0.005) U (0.005) U (0.403) U (0.403)					_			_						
02/15/2013					_	` ,		_	, ,					
						0 (0.0005)			0 (0.0015)	0 (0.05)	0 (0.0005)	0 (0.403)	0 (0.0005)	
						11 (0.0005)			0.00194	0 221	0.00052	11 (0 400)	0.000627	
10/11/2013 $ -$					_									
12/11/2013 U (0.001) - U (0.003) U (0.005) U (0.0005) U (0.0001)				_	_			_						
02/19/2014 $U(0.0005)$ $U(0.0005)$				_	_			_						
05/01/2014 $-$				_	_		_							
10/30/2014 $-$ $-$ $-$ U (0.0005) $-$ $-$ U (0.0015) 0.19 0.00086 U (0.42) U (0.0005)	10/30/2014			_	_	U (0.0005)	_	_	U (0.0015)	0.19	0.00086	U (0.42)	U (0.0005)	
02/11/2015 — 0.0031 — 0.0031 0.28 U (0.0005) U (0.42) U (0.0005)	02/11/2015				_	0.0031	_	_		0.28	U (0.0005)	U (0.42)	U (0.0005)	
05/15/2015	05/15/2015			_	_	_	_		_	_	_	_	-	
09/02/2015				-	_	-	_	_	_	_	_	_	-	
10/14/2015					_								<i>.</i> 	
11/12/2015 U (0.0030) - U (0.0020) U (0.21) U (0.0020)					_			_						
01/28/2016 U (0.0030) U (0.0020) U (0.0020) U (0.0020) U (0.11) U (0.0020)					_	U (0.0030)		_	U (0.0020)	U (0.050)	U (0.0020)	U (0.11)	U (0.0020)	
05/09/2016					_			_		11 (0.1)		11 (0 41)		
10/24/2016 U (0.001) U (0.003) U (0.1) U (0.0002) U (0.41) U (0.001) 12/09/2016 U (0.003) U (0.1) U (0.002) U (0.12) U (0.001)					_							11 (0.41)		
02/08/2017						0.0003			0.0034	0.17	0 (0.002)	0 (0.12)	0 (0.001)	
04/24/2017 <u>0.085</u> — <u>0.44</u> 1.4 U (0.0002) 0.22 U (0.001)					_	0.085			0 44	1 4	U (0 0002)	0.22	U (0 001)	
04/25/2017					_	<u> </u>			<u> </u>		— (0.0002)		- (0.001)	
04/25/2017				_	_	U (0.003)		_	U (0.003)	U(1.0)	U (0.002)	U(0.110)	U (0.002)	
02/13/2018 \mid	02/13/2018			_	_	U (0.003)	_	_	U (0.002)	U (1.0)	U (0.002)	U (0.13)	U (0.002)	
08/17/2018 U (0.003) U (0.003) U (0.25) U (0.003) U (0.12) U (0.002)	08/17/2018				_		_	_	U (0.003)	U (0.25)	U (0.003)		U (0.002)	
10/25/2018 U (0.003) U (0.003) U (0.25) U (0.003) U (0.12) U (0.002) 02/26/2019 U (0.003) U (0.003) U (0.25) U (0.003) U (0.003) U (0.002)				— I	_		_	_						
					_	U (0.003)	_		U (0.003)	U (0.25)	U (0.003)	0.12	U (0.002)	
04/23/2019														
04/24/2019 0.0086 0.0086 U (0.25) U (0.003) U (0.27) U (0.002)					_			_						
07/16/2019 U (0.003) U (0.003) U (0.25) U (0.003) U (0.12) U (0.002) 10/17/2019 U (0.003) U (0.25) U (0.003) U (0.12) U (0.002)					_			_						
10/17/2019 U (0.003) U (0.003) U (0.25) U (0.003) U (0.12) U (0.002) 08/12/2020 66.89 10.6 - U (0.001) - U (0.003) U (0.100) U (0.001) U (0.864) U (0.001)					_									
10/02/2020 66.26 U (0.001) U (0.001) U (0.001														
03/03/2021			1		_	J (0.001)				l			5 (0.001)	
03/31/2021				_			_		_	_	_	_	l –	
05/18/2021 62.53 13.9 U (0.00500) 0.0017 0.000191 U (0.00100) U (0.002) 0.0693 U (0.001) U (0.800) U (0.001)			62.53	13.9	U (0.00500)	0.0017	0.000191	U (0.00100)	U (0.002)	0.0693	U (0.001)	U (0.800)	U (0.001)	
07/21/2021 62.61 14.2 U (0.00500) U (0.001) 0.000507 0.000612 U (0.003) 0.0478 U (0.001) 0.34 U (0.001)	07/21/2021		62.61	14.2	U (0.00500)	U (0.001)	0.000507	0.000612	U (0.003)	0.0478	U (0.001)	0.34	U (0.001)	

Speedway #5325 TNS52 Speedway - Anne Duarte 7172 W Parks Hwy Wasilla, Alaska 99623		غو	School Mer.	So. Nater E.	War.	in the second se				al de la company		J. S.) Øla Øla Øla Øla Øla Øla Øla Øla Øla Øla
	Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
GW Human Health	-				0.0017	<u>0.015</u>	0.12	<u>0.015</u>	0.19	<u>2.2</u>	0.0046	<u>1.5</u>	<u>1.1</u>	
	10/13/2021 03/18/2022		66.86 62.02		U (0.000250) U (0.000250)			U (0.00100) U (0.00100)		0.0776 0.0858	0.000267 0.000264	0.402	U (0.001) U(0.00100)	l
	G-7		02.02	17.5	0 (0.000230)	0.000404	0 (0.00100)	0 (0.00100)	0(0.00300)	0.0030	0.000204	0(0.800)	0(0.00100)	l
	04/24/1997			_	_	_	_	_	_	_	_	_	_	1
	09/03/1997			_	_	_	_	_	_	_	_	_	_	l
	12/29/1997			_	_	-	_	_	-	_	_	_	_	i
	04/23/1998			_	_		_	_	<u> </u>			_		i
	08/03/1998			_	-	U	_	_	U	U	U	U	U	i
	11/02/1998			_	_ _ _	0.012	_	_	0.058	0.16	U	U 0.70	0.005	i
	02/12/1999 05/10/1999			_	_	U	_	_	U U	U	U	0.79 0.45	U	l
	05/10/1999			_	_		_	_	l <u> </u>			0.45		l
	08/30/1999			_	_ _ _	U	_		l u	U	U	U	U	l
	08/31/1999			_		_	_	_		_	_	_		i
	10/29/1999			_	_	υ	_	_	U	U	υ	U	U	l
	02/08/2000			_	_ _ _	_	_	_	_	_	_	_	l —	l
	06/08/2000			_	_	U	_	_	U	U	U	U	U	l
	08/30/2000			_	_	_	_	_	-	_	_	_	_	l
	11/30/2000			_		U	_	_	U	U	U	U	U	l
	02/05/2001			_	_	-	_	_	-	_	_	_	_	l
	05/10/2001			_	_	U	_	_	U	U	U	U	U	l
	08/16/2001			_	_		_	_	l .				I	l
	11/09/2001			_	_ _ _	U	_	_	U	U	U	U	U	l
	02/15/2002 05/30/2002			_	_	- U	_	_	l –	U	U	2.47	U U	l
	08/14/2002			_	_	_				_		<u>2.41</u>		l
	11/14/2002			_	_	_	_	_	l _	_	_	_	_	l
	01/28/2003			_	_	_	_	_	_	_	_	_	_	l
	04/17/2003			_	_	U (0.0005)	_	_	U (0.001)	U (0.08)	U (0.0005)	U (0.25)	U (0.0005)	l
	07/17/2003			_	_	`	_	_	`	\ <u>'</u>			`	l
	10/02/2003			_	_	_	_	_	-	_	_	_	_	l
	01/20/2004			_	-	-	_	_	-	_	_	_	_	l
	04/13/2004			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	U (0.5)	U (0.0005)	l
	07/20/2004			_	-	-	_	_	-	_	_	_	_	i
	09/02/2004			_	_	-	_	_	-	_	_	_	_	l
	10/13/2004			_	-	_	_	_	-	_	_	_	_	l
	01/28/2005 04/11/2005			_		U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	U (0.435)	U (0.0005)	l
	08/12/2005			_		0.0005)	_	_	0 (0.0015)	0 (0.05)	0 (0.0005)	U (U.435)	0 (0.0005)	i
	10/07/2005			_	_	_	_		_	_			_	l
	. 3, 31, 2000			_				_		_			_	

Speedway #5325 TNS52 Speedway - Anne Duarte 7172 W Parks Hwy Wasilla, Alaska 99623		N. C.	School Mer.	Social Maries Ele	Ma.	Thursday Control of the Control of t		2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2		www.		J. J		ough ough
	Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	-
GW Human Health C					0.0017	<u>0.015</u>	0.12	<u>0.015</u>	<u>0.19</u>	2.2	0.0046	<u>1.5</u>	1.1	
	2/14/2006			-	_		_	_	U (0.0015)	U (0.05)	U (0.0005)	U (0.397)	U (0.0005)	
	4/18/2006 7/06/2006					U (0.0005)	_		0 (0.0015)	0 (0.05)	0 (0.0005)	0 (0.397)	0 (0.0005)	
	0/26/2006			_		_	_				_			
	2/02/2007			_	_	_	_	_	_	_	_	_	l _	
	4/19/2007			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	U (0.42)	U (0.0005)	
	3/07/2007			_	_	`	_	_	`	` _		_ ` _	`	
10	0/23/2007			-	_	_	_	_	_	_	_	_	l –	
02	2/21/2008			-	_	_	_	_	_	_	_	_	l –	
	2/22/2008			-	_	_	_	_	_	_	_	-	-	
	4/15/2008			-	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	0.673	U (0.0005)	
	3/27/2008			-	_	_	_	_	_	_	_	_	-	
	0/22/2008			-	_	_	_	_	_	_	_	-	-	
	2/05/2009			-	_		_	_						
	2/19/2009			-	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	U (0.455)	U (0.0005)	
	4/08/2009			-	_	_	_	_	_	_	_	_	-	
	7/09/2009 1/04/2009				_	_	_	_	_	_	_	_	_	
	1/27/2010			_	_	U (0.001)	_		U (0.003)	U (0.05)	U (0.0005)	11 (0 307)	U (0.001)	
	5/27/2010			_		U (0.001)	_		U (0.003)	U (0.05)	U (0.0005)		U (0.0005)	
	3/19/2010			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)		U (0.0005)	
	0/26/2010			_	_	U (0.0005)	_	_	U (0.001)	U (0.08)	U (0.0005)		U (0.0005)	
	2/17/2011			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)		U (0.0005)	
	5/09/2011			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)		U (0.0005)	
	9/20/2011			_	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)		U (0.0005)	
10	0/21/2011			-	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	U (0.413)	U (0.0005)	
02	2/17/2012			-	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	0.584	U (0.0005)	
	5/17/2012			-	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	0.628	U (0.0005)	
	7/18/2012			-	_	U (0.0010)	_	_	U (0.0030)	U (0.05)	U (0.0005)		U (0.0010)	
	9/05/2012			-	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)		U (0.0005)	
	0/30/2012			-	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)		U (0.0005)	
	1/30/2013			-	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	0.531	U (0.0005)	
	2/15/2013			-	_	U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)		U (0.0005)	
	5/10/2013 D/11/2013			-	_	U (0.0005)	_	_	U (0.0015)	U (0.05) U (0.05)	U (0.0005) U (0.0005)		U (0.0005)	1
	2/11/2013				_	U (0.0005) U (0.001)	_		U (0.0015) U (0.003)	U (0.05)	U (0.0005)		U (0.0005) U (0.001)	1
	2/11/2013			_		U (0.001)	_		U (0.003)	U (0.05)	U (0.0005)		U (0.0005)	1
	5/01/2014			_	_	U (0.0003)	_		U (0.0013)	U (0.05)	U (0.0005)	U (0.39)	U (0.0003)	
	0/30/2014			_		U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	U (0.39)	U (0.0005)	1
	2/11/2015			_		U (0.0005)	_	_	U (0.0015)	U (0.05)	U (0.0005)	U (0.42)	U (0.0005)	1
	5/15/2015			_	_	U (0.0005)	_	-	U (0.0015)					1
	-		-	-				,						

Speedway #5325 TNS52 Speedway - Anne Duarte 7172 W Parks Hwy Wasilla, Alaska 99623	2	Screen Integral	le Maler E.	Mar.	e de la company				, and an area of the second se		J. J	0, 0,	ou la
Uni	t ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
GW Human Health Cleanup				0.0017	0.015	0.12	<u>0.015</u>	0.19	2.2	0.0046	1.5	1.1	
09/02/201			_	_	U (0.001)	_	_	U (0.001)	0.16	U (0.0020)	U (0.42)	U (0.001)	
10/14/2019 11/12/2019			_		U (0.0030)	_		U (0.0020)		U (0.0020)	U (0.20)	U (0.0020)	
01/28/2010			_		U (0.0030)	_		U (0.0020)		U (0.0020)	0.23	U (0.0020)	
05/09/2010			_	_	U (0.001)	_	_	U (0.003)	U (0.000)	U (0.0002)	U (0.41)	U (0.001)	
10/24/2010			_	_	U (0.001)	_	_	U (0.003)	U (0.1)	U (0.0002)	U (0.41)	U (0.001)	
12/09/2010			_	_	U (0.003)	_	_	U (0.003)	U (0.05)	Ú (0.002)	U (0.11)	U (0.002)	
02/08/2017	7		_	_	U (0.003)	_	_	U (0.002)	U (0.05)	U (0.002)	U (0.11)	U (0.002)	
04/24/2017	7		_	_	` _	_	_	l `	\ \		\ <u></u>	ı ` <u>-</u> '!	
04/25/2017	7		_	_	U (0.001)	_	–	U (0.003)	U (1.0)	U (0.0002)	U (0.11)	U (0.001)	
10/20/201			_	_	U (0.003)	_	l —	U (0.003)	U (1.0)	U (0.002)	U (0.110)	U (0.002)	
02/13/2018			_	_	U (0.003)	_	_	U (0.002)	U (1.0)	U (0.002)	U (0.12)	U (0.002)	
08/17/2018			_	_	U (0.003)	_	-	U (0.003)	U (0.25)	U (0.003)	U (0.12)	U (0.002)	
10/25/2018			_	_	U (0.003)	_	_	U (0.003)	U (0.25)	U (0.003)	U (0.12)	U (0.002)	
02/26/2019			_		U (0.003)	_	_	U (0.003)	U (0.25)	U (0.003)	U (0.13)	U (0.002)	
04/23/2019			_			_	-						
04/24/2019			_	_	U (0.003)	_	_	U (0.003)	U (0.25)	U (0.003)	U (0.26)	U (0.002)	
07/16/2019			_	_	U (0.003)	_	-	U (0.003)	U (0.25)	U (0.003)	U (0.12)	U (0.002)	
10/17/2019			_	_	U (0.003)	_	_	U (0.003)	U (0.25)	U (0.003)	U (0.12)	U (0.002)	
08/12/2020		C7 20	_	_		_	_	U (0.002)		U (0.001)	U (0.888)		
10/02/2020 03/03/202		67.29	_	_	U (0.001)		_	0 (0.002)	U (0.100)	0 (0.001)	0 (0.000)	U (0.001)	
03/03/202					_	_	_						
05/31/202 05/18/202		61.0	9.55	U (0.00500)	LI (0 001)	U (0.00100)	U (0 00100)	U (0.002)	0.032	U (0.001)	TT (0 800)	U (0.001)	
07/21/202		61.86	13.1	U (0.00500)		U (0.00100)		U (0.002)		U (0.001)	0.251	U (0.001)	
10/13/202		66.82	5.05	U (0.000250)		U (0.00100)		U (0.002)	0.0507	U (0.001)	0.358	U (0.001)	
03/18/202		59.39	14.3	U (0.000250)	U(0.00100)	U (0.00100)	U (0.00100)	U(0.00300)	U(0.100)	U(0.00100)	U(0.800)	U(0.00100)	
RW16-				,	, ,	,	,	,	,	,	, ,		
04/24/199			_		_	_	l _	l _	_	_	_	ı _!	
09/03/199			_	_	_	_	l _	_	_			ı <u> </u>	
12/29/199			_	_	_	_	_	_	_	_	_	l _	
04/23/1998			_			_	l –	_	_	_	_	ı —!	
08/03/1998			_		_	_	l –	l –	_	_	_	ı —!	
11/02/1998	3		_		_	_	_	_	_	_	_	-	
02/12/1999			_		_	_	_	_	_	_	_	l –l	
05/10/1999			_	-	_	_	-	-	_	_	-	ı —!	
05/11/1999			_	-	_	_	-	_	_	_	_	-	
08/30/1999			_		_	_	-	_	_	_	_	-	
08/31/1999 10/29/1999			_		_		_		_				

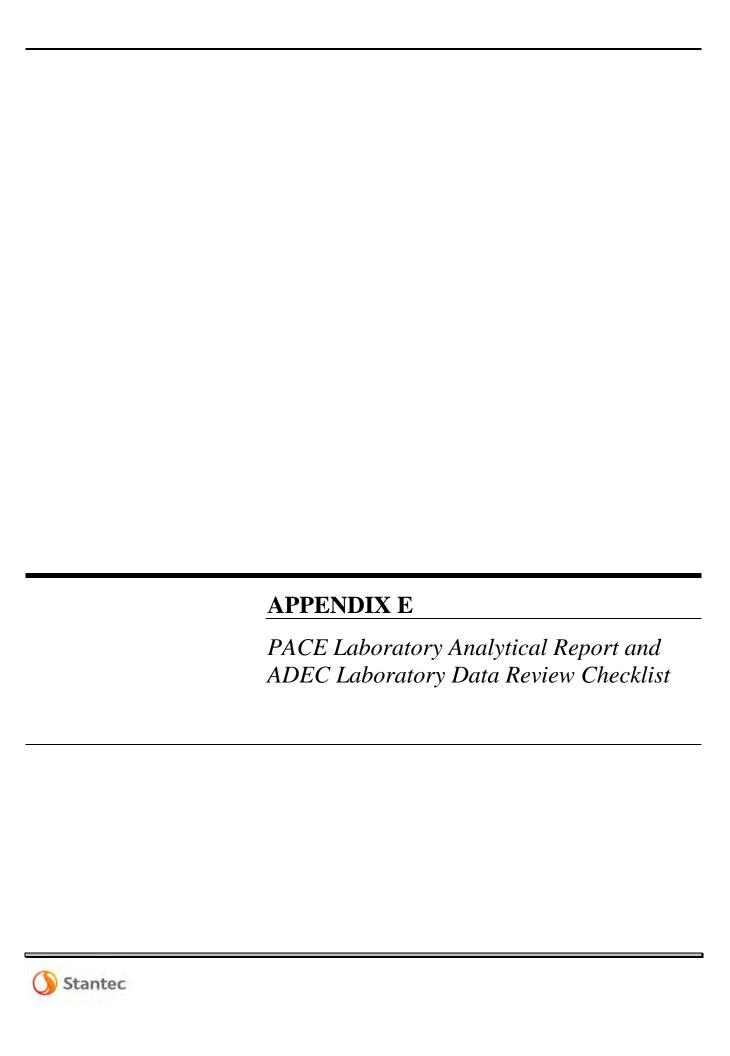
Speedway #5325 TNS52 Speedway - Anne Duarte 7172 W Parks Hwy Wasilla, Alaska 99623	, and	S. S	Sound Water E.	West allow	Tohn Palene Eth			/ 9M/ 1/1/			000		old of the state o
Uni	t it	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
GW Human Health Cleanup				0.0017	<u>0.015</u>	<u>0.12</u>	<u>0.015</u>	0.19	2.2	0.0046	<u>1.5</u>	<u>1.1</u>	
02/08/200			-	_	_	_	_	_	_	_	_	_	
06/08/200			_	_	_	_	_	_	_	_	_	_	
08/30/200			-	_	_	_	_	_	_	_	_	_	
11/30/200			_	_	_	_	_	_	_	_	_	_	
02/05/200	1				_	_	_	_	_	_	_	_	
05/10/200			1		_	_		_	_	_	_	_	
08/16/200 11/09/200						_	_	_		_	_	_	
02/15/200					_	_	_				_	_	
05/30/200				1								_	
08/14/200					_	_	_	_			_		
11/14/200					_	_	_				_		
01/28/200			_					_			_	l .	
04/17/200			_		_	_				_	_		
07/17/200											_		
10/02/200			_		_			_					
01/20/200					_	_	_	_	_				
04/13/200-	1				_	_	_	_	_		_		
07/20/200			_	_	_	_	_	_	_	_	_	_	
09/02/2004			_	_	_	_	_	_	_	_	_		
10/13/200-	1		_	_	_	_	_	_	_	_	_	_	
01/28/2009			_	_	_	_	_	_	_	_	_		
04/11/200			_	_	_	_	_	_	_	_	_		
08/12/2009	1		_	_	_	_	_	_	_	_	_	_	
10/07/200			_	_	_	_	_	_	_	_	_		
02/14/200			_	_	_	_	_	_	_	_	_	_	
04/18/200			_	_	_	_	_	_	_	_	_	_	
07/06/200			_	l –	_	_	_	_	_	_	_	_	
10/26/200	6		_	_	_	_	_	_	l –	_	_		
02/02/200	7		_	_	_	_	_	_	l –	_	_		
04/19/200	7		-	_	_	_	_	_	l —	_	_		
08/07/200	7		_	_	_	_	_	_	l –	_	_		
10/23/200	7		_	_	_	_	_	_	_	_	_		
02/21/200			_	_	_	_	_	_	_	_	_	_	
02/22/2008			_	–	_	_	_	_	_	_	_	_	
04/15/2008			_	–	_	_	_	_	_	_	_	_	
08/27/2008			-	_	_	_	_	_	_	_	_		
10/22/2008			-	_		_	_	_	_	_	_		
02/05/2009			-	_	_	_	_	_	_	_	_	_	
02/19/2009			_	_	_	_	_	_	_	_	_	_	
04/08/2009	9		_	l –	_	_	_	_	l —	_	_		

Speedway #5325 TNS52 Speedway - Anne Duarte 7172 W Parks Hwy Wasilla, Alaska 99623	Š	Schennie.	Soul Marer EL	with white the state of the sta	ola la l	The property	in Simb	**************************************	al de la company		le sur le		olulo Biologia
Un	it ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
GW Human Health Cleanu	р			0.0017	0.015	0.12	<u>0.015</u>	0.19	2.2	0.0046	<u>1.5</u>	<u>1.1</u>	I
07/09/200	9		_	_	_	_	_	_	_	_	_	_	I
11/04/200			_	_	_	_	_	_	_	_	_	_	I
01/27/201			_	_	-	_		_	_	_	_	_	I
05/27/201			_	_	-	_		_	_	_	_	_	I
08/19/201			_	_	-	_		_	_	_	_	_	I
10/26/201	1		_	_	_	_	-	_	_	_	_	_	I
02/17/201			_	_	_	_	-	_	_	_	_	_	I
06/09/201			_	_	_	_	-	_	_	_	_	_	I
09/20/201			_	_	-	-	_	_	_	_	_	_	I
10/21/201			_	_	_	_		_	_	_	_	_	I
02/17/201	2		_	_	-	-	_	_	_	_	_	_	I
05/17/201			_	_	-	-	_	_	_	_	_	_	I
07/18/201	2		_	_	_	_	_	_	_	_	_	_	I
09/05/201	2		_	_	_	_	_	_	_	_	_	_	I
10/30/201	2		_	_	_	_		_	_	_	_	_	I
01/30/201	3		_	_	_		_	_	_	_	_	_	I
02/15/201	3		_	_	_	_	_	_	_	_	_	_	I
05/10/201			_	_	_	_	_	_	_	_	_	_	I
10/11/201			_	_	_	_	_	_	_	_	_	_	I
12/11/201			_	_	_	_		_	_	_	_	_	I
02/19/201			_	_	_	_		_	_	_	_	_	I
05/01/201			_	_	_	_	_	_	_	_	_	_	I
10/30/201	1		_	_	_			_	_	_	_	_	I
02/11/201			_	_	_	_	_	_	_	_	_	_	I
05/15/201			_	_	_	_		_	_	_	_	_	I
09/02/201	1		_	_	_	_		_	_	_	_	_	I
10/14/201	1		_	_	_	_	_	_	_	_	_	_	I
11/12/201			_	_	_	_	_	_	_	_	_	_	I
01/28/201			_	_		_	_	_	_	_	_	_	I
05/09/201			_	_	_	_	_		_		_	_	I
10/24/201					<u>1.7</u>	_	_	10.1	<u>30</u>	U (0.0002)	4.6	0.019	I
12/09/201				_	<u>1.1</u>	_		10.1	<u>30</u>	0 (0.0002)	4.0	0.019	I
02/08/201					<u>7.9</u>		I .	<u>8.9</u>		U (0.002)	<u>2.7</u>	0.0048	I
				_	<u>7.9</u>	_	_	0.9	<u>25</u>	0 (0.002)	<u>2.1</u>	0.0046	I
04/24/201				_	U (0.750)	_	_	4.83	12	TI (0.000)	2.4	LL (0, 004)	I
04/25/201			_		0 (0.750)	_	_		<u>12</u>	U (0.002)	<u>2.4</u>	U (0.001)	I
10/20/201	1		_	_	-	_	_	_	_		_	_	I
02/13/201			_	_		_	_	- 0.5	- 24		7.0	0.0040	I
08/17/201			_	_	<u>1.2</u>	_	_	<u>8.5</u>	<u>24</u>	U (0.003)	<u>7.9</u>	0.0018	I
10/25/201			_	_	-	_	_	_	_	_	_	-	I
02/26/201			_	_	-	_	_	_	_	_	_	_	I
04/23/201	9		_	_	-1	-1	-	_	_	— —	_	_	

Speedw 7172 W	vay #5325 TNS52 vay - Anne Duarte Parks Hwy Alaska 99623	a de la companya de l	Screen Inter-	So. Nater E.	War.	in the second se		25.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			000		ou line
	Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
	GW Human Health Cleanup				0.0017	0.015	0.12	<u>0.015</u>	0.19	2.2	0.0046	<u>1.5</u>	<u>1.1</u>	1
	04/24/2019			_	-	-	_	_	_	_	-	_	_	l
	07/16/2019 10/17/2019				_		_					_		l
	08/12/2020		67.48	65.8	_	1.58	_	_	<u>8.26</u>	<u>5.85</u>	0.00092	<u>2</u>	0.00558	l
	10/02/2020		67.19	-	_	0.373	_	_	1.721	3.99	U (0.020)	3.58	0.0174	i
	03/03/2021			_	_	_	_	_		l —	_	_	_	i
	03/31/2021		67.76	64	_	<u>1.33</u>	_	_	<u>5.28</u>	<u>14</u>	U (0.020)	<u>4.72</u>	U (0.020)	i
	05/18/2021		66.11	24.1	U (1.00)	<u>0.761</u>	<u>0.53</u>	<u>2.5</u>	<u>4.8</u>	3.38	U (0.200)	<u>7.24</u>	U (0.200)	i
	07/21/2021		65.9	16.7	U (1.00)	<u>1.36</u>	0.597	2.9	7.69	7.22	U (0.200)	<u>9.6</u>	U (0.200)	i
	10/13/2021		67.7	11.3	U (1.00)	1.11	0.28	1.83	<u>4.826</u>	7.99	U (0.200)	<u>7.89</u>	U (0.200)	i
	03/18/2022		65.5	39.9	<u>0.0486</u>	<u>0.939</u>	<u>0.868</u>	<u>4.04</u>	<u>5.548</u>	<u>23.2</u>	U(0.200)	<u>4.36</u>	U(0.200)	i
	RW16-2													i
	04/24/1997			_	_	_	_	_	_	_	_	_	_	l
	09/03/1997			_	_	_	_	_	_	_	_	_	_	l
	12/29/1997			_	-	_	_	_	_	_	_	_	_	l
	04/23/1998 08/03/1998			_	_		_	_	_		_	_	_	l
	11/02/1998			_			_	_	_			_		l
	02/12/1999			_	_	_	_	_	_	_	_	_	_	i
	05/10/1999			_		_	_	_	_	_		_	_	i
	05/11/1999			_	_	_	_	_	_	_	_	_	_	i
	08/30/1999			_	_	_	_	_	_	_	_	_	_	i
	08/31/1999			_	_	_	_	_	_	_	_	_	_	i
	10/29/1999			_	_	_	_	_	_	_	_	_	_	i
	02/08/2000			_	_	_	-	_	_	_	_	_	_	i
	06/08/2000			_	_	_	_	_	_		_	_	_	i
	08/30/2000 11/30/2000						_	_	_			_		i
	02/05/2001						_	_	_			_		i
	05/10/2001			_	_	_	_	_	_		_	_		i
										l				
				_	_	_	_	_	_	l —	_	_	_	1
	08/16/2001 11/09/2001				_		_	_	_	_		_	_	
	08/16/2001			_		1				l	_			
	08/16/2001 11/09/2001 02/15/2002 05/30/2002			_	_	_	_	_	_ _ _	_		_	_	
	08/16/2001 11/09/2001 02/15/2002 05/30/2002 08/14/2002	 	 		_ _ _ _	_	_ _ _	 - -	_ _ _	_ _ _ _	_ _ _ _	_ _ _ _		
	08/16/2001 11/09/2001 02/15/2002 05/30/2002 08/14/2002 11/14/2002	 	 		_ _ _	_ _ _			_ _ _ _	_ _ _ _ _	_ _ _ _	_ _ _ _		
	08/16/2001 11/09/2001 02/15/2002 05/30/2002 08/14/2002 11/14/2002 01/28/2003	 	 		 - - -	_ _ _ _			_ _ _ _	- - - - -	_ _ _ _	_ _ _ _		
	08/16/2001 11/09/2001 02/15/2002 05/30/2002 08/14/2002 11/14/2002	 	 		_ _ _	_ _ _			_ _ _ _	_ _ _ _ _	_ _ _ _	_ _ _ _		

Marie Mari	Sp 71	peedway #5325 TNS52 peedway - Anne Duarte 72 W Parks Hwy asilla, Alaska 99623		gi S	Screen Me	Jeno Water E.	Mar.	oloje di		8m/5 22	/ 100 mg	al de la company		/sep/		
01/20/2004			Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
04/13/2004 -								<u>0.015</u>	<u>0.12</u>	<u>0.015</u>	0.19	2.2		<u>1.5</u>	<u>1.1</u>	
07/20/2004 -						_		_		_	_	_	_	_	_	
09/02/2004 · · · · · · · · · · · · · · · · · ·								_			l .	l	I			
10/13/2005						_	_	_	_	_	_	_	_	_	_	
01/28/2005						_		_		_	_	_			_	
04/11/2005							_	_	_		_	_			_	
10(07)(2005								_	_		l	_			_	
10(07)(2005						_	_	-	_	_	_	_	_	_	_	
10(07)(2005						_	_	-	_	_	_	_	_	_	_	
04/18/2006						_	_	-	_	_	_	l –	_	_	-	
04/18/2006		0	2/14/2006			_	_	_	_	_	_	_	_	_	_	
07/06/2006		0	4/18/2006			_	_	_	_	_	_	_	_	_	_	
02/02/2007		0	7/06/2006			_	_	_	_	_	_	l —	_	_	_	
02/02/2007		1	0/26/2006			_	_	_	_	_	_	_	_	_	_	
08/07/2007						_	_	_	_		_	_	_	_	_	
08/07/2007						_		_			_	_	_	_	_	
10/23/2007						_		_			l	l	_	_	_	
02/22/2008											l		I		I	
02/22/2008											l .	l				
04/15/2008											l	l				
08/27/2008											l					
10/22/2008							_				l .	l				
02/05/2009								_		_	_	_	_		_	
04/08/2009								_		_	_	_	_		_	
04/08/2009							_				l .					
07/09/2009							_				l	l			I	
05/27/2010			l l					_			l	_			_	
05/27/2010							_	-			l	l			-	
05/27/2010							_	_			l	l				
02/17/2011							_	_			l	_			-	
02/17/2011							_	_	_	_	_	_	_	_	_	
02/17/2011						_	_	_	_	_	_	_	_	_	_	
02/17/2011		1	0/26/2010			_	_	-	_	_	_	_	_	_	_	
10/21/2011		0	2/17/2011			_	_	_	_	_	_	_	_	_	_	
10/21/2011		0	6/09/2011			_	_	_	_	_	_	_		_	_	
10/21/2011		0	9/20/2011			_	_	_	_	_	-	_	_	_	_	
02/17/2012		1	0/21/2011			_	_	_	_	_	_	l —	_	_	_	
07/18/2012						_	_	_		_	l –	_	_	_	_	
07/18/2012						_	_		_	_	_	l —		_	_	
09/05/2012								_			l	_	_	_	_	
10/30/2012								_			I	l _		_	_	
01/30/2013							_				l				I	
											l		I			

Speedwa 7172 W	ay #5325 TNS52 ay - Anne Duarte Parks Hwy Alaska 99623	N	Screen Integral	Sound Water E.	ioje umb	ole la	Millone Man	/ MINS 27	/ MM8	all	0 4	one of the original of the ori		olumba Barana Bana B
	Unit	ft	ft	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
	GW Human Health Cleanup				0.0017	0.015	0.12	0.015	0.19	2.2	0.0046	<u>1.5</u>	<u>1.1</u>	
	02/15/2013	l		_	_	_	_	_	_	_	_	_	_	
	05/10/2013			_	_	_	_	_	_	_	_	_	_	
	10/11/2013			_	_	_	-	-	_	_	_	-	_	
	12/11/2013			_	_	_	_	_	_	_	_	-	_	
	02/19/2014			_	_	_	_	_	_	_	_	_	_	
	05/01/2014			_	_	_	_	_	_	_	_	_	_	
	10/30/2014			_	_	_	_	-	_	_	_	_	_	
	02/11/2015			_	_	_	_	_	_	_	_	_	_	
	05/15/2015			_	_	_	_	_	_	_	_	_	_	
	09/02/2015			_	_	_	_	-	_	_	_	_	_	
	10/14/2015			_	_	_	_	-	_	_	_	_	_	
	11/12/2015			_		_	_	_	_	_	_	_	_	
	01/28/2016			_		_	-	-	_	_	_	_	_	
	05/09/2016			_	_	_	_	_	_	_	_	_	_	
	10/24/2016			_	_		_	_	0.400					
	12/09/2016	l		_	_	0.022	_	-	0.429	2	U (0.0002)	0.25	U (0.001)	
	02/08/2017			_	_	<u>0.44</u>	_	_	3.3	<u>19</u>	U (0.002)	<u>2.1</u>	0.0078	
	04/24/2017			_			_	_	_	_				
	04/25/2017			_		U (0.30)	_	_	0.405	<u>8.7</u>	U (0.0002)	0.86	U (0.002)	
	10/20/2017			_	_	0.042	_	_	0.125	2.2	U (0.002)	0.26 0.59	U (0.002)	
	02/13/2018			_	_	<u>0.051</u>	_	_	0.177 0.0771	<u>6.1</u>	U (0.002) U (0.003)	0.59	U (0.002) U (0.002)	
	08/17/2018 10/25/2018			_	_	0.015 0.0036	-	_	0.0771	<u>2.4</u>	` ,	0.63	U (0.002)	
	02/26/2019			_	_	0.0036		_	0.013		U (0.003) U (0.003)	1.1	U (0.002)	
	04/23/2019					0.0066		_	0.023	<u>4.6</u>	0 (0.003)	1.1	0 (0.002)	
				_	_	0.0065	_	_	0.027	4.2		0.58		
	04/24/2019 07/16/2019			_	_	0.0065		_	0.027	4.2 3.4	U (0.003) U (0.003)	0.56	U (0.002) U (0.002)	
					_	0.0052		_	0.031	2.1	U (0.003)	0.67	U (0.002)	
	10/17/2019		67.59	21.7	_		_	_	0.023	1.65	U (0.003)	0.419	U (0.002)	
	08/12/2020 10/02/2020		67.39	21.7	_	0.00166 0.00072		_	0.00735	0.967	U (0.001)	0.419	U (0.001)	
	03/03/2021		07.20			0.00072		_	0.002112	0.907	0 (0.001)	0.25	0 (0.001)	
	03/03/2021		65.42	4.42		0.001		_	0.00276	2.86	U (0.001)	0.585	U (0.001)	
	05/18/2021		66.5	4.42	U (0.00500)	U (0.001)	0.0103	0.011	U (0.00276	0.419	U (0.001)		U (0.001)	
	07/21/2021		66.31	5.58	U (0.00500)	0.000569	0.0103	0.011	0.00135	0.419	U (0.001)	0.441	U (0.001)	
	10/13/2021		67.77	71.7	U (0.00350)		U (0.00100)	U (0.00100)	U (0.002)	0.724	U (0.001)	0.819	U (0.001)	
	03/18/2022		66.09	6.93	0.000106	0.00032	0.0231		U(0.00300)		U(0.00100)		U(0.00100)	





Pace Analytical® ANALYTICAL REPORT

April 08, 2022

Stantec - Anchorage, AK - Speedway

L1473854 Sample Delivery Group:

Samples Received: 03/22/2022

Project Number: 185705772

Description: Speedway 5325

Site: 0005325

Report To: Mr. John Marshall

725 E Fireweed Lane

Suite 200

Anchorage, AK 99503

Entire Report Reviewed By:

Craig Cothron Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received. Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com















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SAMPLE SUMMARY

	SAMI LL V	J () (V) ()	VI/AIX I			
G-05 L1473854-01 GW			Collected by Luke Simms	Collected date/time 03/18/22 11:06	Received date/time 03/22/22 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010C	WG1837371	1	03/27/22 18:46	03/28/22 14:48	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG1838816	1	03/26/22 16:15	03/26/22 16:15	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1839121	1	03/28/22 03:17	03/28/22 03:17	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG1839545	1	04/01/22 07:31	04/03/22 15:56	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1837092	1	03/24/22 13:40	03/24/22 18:55	AGW	Mt. Juliet, TN
G-07 L1473854-02 GW			Collected by Luke Simms	Collected date/time 03/18/22 15:53	Received da 03/22/22 09	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Metals (ICP) by Method 6010C	WG1837371	1	03/27/22 18:46	03/28/22 14:51	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG1838816	1	03/26/22 16:42	03/26/22 16:42	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1839121	1	03/28/22 03:39	03/28/22 03:39	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG1839545	1	04/01/22 07:31	04/03/22 16:16	DMG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1837092	1	03/24/22 13:40	03/24/22 19:12	AGW	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
MW16-02 L1473854-03 GW			Luke Simms	03/18/22 14:52	03/22/22 09	9:00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
Makala (ICD) ku Makla al COMOC	WC4027274	1	date/time	date/time	CCE	NA LUCA TN
Metals (ICP) by Method 6010C	WG1837371	1	03/27/22 18:46	03/28/22 14:54	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG1838816	1	03/26/22 17:08	03/26/22 17:08	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1839121	1	03/28/22 04:00	03/28/22 04:00	BMB	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102 Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1839545 WG1837092	1 1	04/01/22 07:31 03/24/22 13:40	04/04/22 07:18 03/24/22 19:30	DMG AGW	Mt. Juliet, TN Mt. Juliet, TN
DUP1 L1473854-04 GW			Collected by Luke Simms	Collected date/time 03/18/22 13:38	Received da 03/22/22 09	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Metals (ICP) by Method 6010C	WG1837371	1	03/27/22 18:46	03/28/22 14:57	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101	WG1840109	10	03/30/22 18:25	03/30/22 18:25	NCC	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1839121	1	03/28/22 04:22	03/28/22 04:22	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1839249	100	03/28/22 13:47	03/28/22 13:47	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method AK102	WG1839545	1	04/01/22 07:31	04/03/22 16:56	CLG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1837092	1	03/24/22 13:40	03/24/22 19:48	AGW	Mt. Juliet, TN
TRIP BLANK L1473854-05 GW			Collected by Luke Simms	Collected date/time 03/18/22 00:00	Received date/time 03/22/22 09:00	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260C	WG1839121	1	date/time 03/28/22 02:55	date/time 03/28/22 02:55	BMB	Mt. Juliet, TN
volume organic compounds (ourns) by method decoo	1101003121	·	03/23/22 02.03	00/20/22 02.00	DIIID	mi. Junet, m
RW16-01 L1473854-06 GW			Collected by Luke Simms	Collected date/time 03/18/22 13:36	Received da 03/22/22 09	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
Metals (ICP) by Method 6010C	WG1837371	1	date/time 03/27/22 18:46	date/time 03/28/22 14:59	CCE	Mt. Juliet, TN
	WG1837371 WG1838817	20	03/28/22 12:37		DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method AK101		200	03/28/22 12:37	03/28/22 12:37 03/28/22 06:09	BMB	
Volatile Organic Compounds (GC/MS) by Method 8260C Semi-Volatile Organic Compounds (GC) by Method AK102	WG1839121 WG1839545	200	04/01/22 07:31	03/28/22 06:09	CLG	Mt. Juliet, TN Mt. Juliet, TN
Semi-volutile Organic Compounds (OC) by Method ARIOZ	WO1033343	ı	UT/U//ZZ U/.31	U-1/UJ/ZZ 1/.1U	CLU	mt. Juliet, IIV
ACCOUNT:	PROJECT:		SDG:	DAT	E/TIME:	

¹Cp

















SAMPLE SUMMARY

RW16-01 L1473854-06 GW			Luke Simms	03/18/22 13:36	03/22/22 09	
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1837092	1	03/24/22 13:40	03/24/22 20:05	AGW	Mt. Juliet, TN



















CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

¹Cp

















Craig Cothron Project Manager Analyte

TPHGAK C6 to C10

a,a,a-Trifluorotoluene(FID) (S) a,a,a-Trifluorotoluene(PID)

SAMPLE RESULTS - 01

Dilution

Analysis

date / time

03/26/2022 16:15

03/26/2022 16:15

03/26/2022 16:15

Batch

WG1838816

WG1838816

WG1838816

Collected date/time: 03/18/22 11:06

Metals (ICP) by Method 6010C

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
Sodium	17.3		0.504	3.00	1	03/28/2022 14:48	WG1837371

RDL

mg/l

0.100

50.0-150

79.0-125



Ss







Gl

ΆΙ

Sc



Volatile Organic Compounds (GC/MS) by Method 8260C

Volatile Organic Compounds (GC) by Method AK101

Qualifier

J

<u>J2</u>

MDL

mg/l

0.0287

Result

0.0858

mg/l

107

0.000

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
Benzene	0.000264	<u>J</u>	0.0000941	0.00100	1	03/28/2022 03:17	WG1839121
n-Butylbenzene	U		0.000157	0.00100	1	03/28/2022 03:17	WG1839121
sec-Butylbenzene	0.000366	<u>J</u>	0.000125	0.00100	1	03/28/2022 03:17	WG1839121
tert-Butylbenzene	U		0.000127	0.00100	1	03/28/2022 03:17	WG1839121
Ethylbenzene	0.000484	<u>J</u>	0.000137	0.00100	1	03/28/2022 03:17	WG1839121
Isopropylbenzene	0.00135		0.000105	0.00100	1	03/28/2022 03:17	WG1839121
Naphthalene	U		0.00100	0.00500	1	03/28/2022 03:17	WG1839121
Toluene	U		0.000278	0.00100	1	03/28/2022 03:17	WG1839121
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	03/28/2022 03:17	WG1839121
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	03/28/2022 03:17	WG1839121
m&p-Xylene	U		0.000430	0.00200	1	03/28/2022 03:17	WG1839121
o-Xylene	U		0.000174	0.00100	1	03/28/2022 03:17	WG1839121
(S) Toluene-d8	106			80.0-120		03/28/2022 03:17	WG1839121
(S) 4-Bromofluorobenzene	92.6			77.0-126		03/28/2022 03:17	WG1839121
(S) 1,2-Dichloroethane-d4	102			70.0-130		03/28/2022 03:17	WG1839121



	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/l		mg/l	mg/l		date / time	
AK102 DRO C10-C25	U		0.229	0.800	1	04/03/2022 15:56	WG1839545
(S) o-Terphenyl	56.4			50.0-150		04/03/2022 15:56	WG1839545

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
Anthracene	U		0.0000190	0.0000500	1	03/24/2022 18:55	WG1837092
Acenaphthene	U		0.0000190	0.0000500	1	03/24/2022 18:55	WG1837092
Acenaphthylene	U		0.0000171	0.0000500	1	03/24/2022 18:55	WG1837092
Benzo(a)anthracene	U		0.0000203	0.0000500	1	03/24/2022 18:55	WG1837092
Benzo(a)pyrene	U		0.0000184	0.0000500	1	03/24/2022 18:55	WG1837092
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	03/24/2022 18:55	WG1837092
Benzo(g,h,i)perylene	U		0.0000184	0.0000500	1	03/24/2022 18:55	WG1837092
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	03/24/2022 18:55	WG1837092
Chrysene	U		0.0000179	0.0000500	1	03/24/2022 18:55	WG1837092
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	1	03/24/2022 18:55	WG1837092
Fluoranthene	U		0.0000270	0.000100	1	03/24/2022 18:55	WG1837092
Fluorene	U		0.0000169	0.0000500	1	03/24/2022 18:55	WG1837092
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500	1	03/24/2022 18:55	WG1837092
Naphthalene	U		0.0000917	0.000250	1	03/24/2022 18:55	WG1837092
Phenanthrene	U		0.0000180	0.0000500	1	03/24/2022 18:55	WG1837092
Pyrene	U		0.0000169	0.0000500	1	03/24/2022 18:55	WG1837092

Collected date/time: 03/18/22 11:06

L1473854

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/l		mg/l	mg/l		date / time	
1-Methylnaphthalene	U		0.0000687	0.000250	1	03/24/2022 18:55	WG1837092
2-Methylnaphthalene	U		0.0000674	0.000250	1	03/24/2022 18:55	WG1837092
(S) Nitrobenzene-d5	74.2			31.0-160		03/24/2022 18:55	WG1837092
(S) 2-Fluorobiphenyl	71.1			48.0-148		03/24/2022 18:55	WG1837092
(S) p-Terphenyl-d14	84.7			37.0-146		03/24/2022 18:55	WG1837092



















Collected date/time: 03/18/22 15:53

L1473854

Metals (ICP) by Method 6010C

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
Sodium	14.3		0.504	3.00	1	03/28/2022 14:51	WG1837371

²Tc

Volatile Organic Compounds (GC) by Method AK101

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/l		mg/l	mg/l		date / time	
TPHGAK C6 to C10	U		0.0287	0.100	1	03/26/2022 16:42	WG1838816
(S) a,a,a-Trifluorotoluene(FID)	103			50.0-150		03/26/2022 16:42	WG1838816
(S) a.a.a-Trifluorotoluene(PID)	0.000	<u>J2</u>		79.0-125		03/26/2022 16:42	WG1838816



Ss

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	03/28/2022 03:39	WG1839121
n-Butylbenzene	U		0.000157	0.00100	1	03/28/2022 03:39	WG1839121
sec-Butylbenzene	U		0.000125	0.00100	1	03/28/2022 03:39	WG1839121
tert-Butylbenzene	U		0.000127	0.00100	1	03/28/2022 03:39	WG1839121
Ethylbenzene	U		0.000137	0.00100	1	03/28/2022 03:39	WG1839121
Isopropylbenzene	U		0.000105	0.00100	1	03/28/2022 03:39	WG1839121
Naphthalene	U		0.00100	0.00500	1	03/28/2022 03:39	WG1839121
Toluene	U		0.000278	0.00100	1	03/28/2022 03:39	WG1839121
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	03/28/2022 03:39	WG1839121
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	03/28/2022 03:39	WG1839121
m&p-Xylene	U		0.000430	0.00200	1	03/28/2022 03:39	WG1839121
o-Xylene	U		0.000174	0.00100	1	03/28/2022 03:39	WG1839121
(S) Toluene-d8	117			80.0-120		03/28/2022 03:39	WG1839121
(S) 4-Bromofluorobenzene	107			77.0-126		03/28/2022 03:39	WG1839121
(S) 1,2-Dichloroethane-d4	103			70.0-130		03/28/2022 03:39	WG1839121

GI_

ΆΙ

Sc

Semi-Volatile Organic Compounds (GC) by Method AK102

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
AK102 DRO C10-C25	U		0.229	0.800	1	04/03/2022 16:16	WG1839545
(S) o-Terphenyl	57.4			50.0-150		04/03/2022 16:16	WG1839545

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/l		mg/l	mg/l		date / time	
Anthracene	U		0.0000190	0.0000500	1	03/24/2022 19:12	WG1837092
Acenaphthene	U		0.0000190	0.0000500	1	03/24/2022 19:12	WG1837092
Acenaphthylene	U		0.0000171	0.0000500	1	03/24/2022 19:12	WG1837092
Benzo(a)anthracene	U		0.0000203	0.0000500	1	03/24/2022 19:12	WG1837092
Benzo(a)pyrene	U		0.0000184	0.0000500	1	03/24/2022 19:12	WG1837092
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	03/24/2022 19:12	WG1837092
Benzo(g,h,i)perylene	U		0.0000184	0.0000500	1	03/24/2022 19:12	WG1837092
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	03/24/2022 19:12	WG1837092
Chrysene	U		0.0000179	0.0000500	1	03/24/2022 19:12	WG1837092
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	1	03/24/2022 19:12	WG1837092
Fluoranthene	U		0.0000270	0.000100	1	03/24/2022 19:12	WG1837092
Fluorene	U		0.0000169	0.0000500	1	03/24/2022 19:12	WG1837092
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500	1	03/24/2022 19:12	WG1837092
Naphthalene	U		0.0000917	0.000250	1	03/24/2022 19:12	WG1837092
Phenanthrene	U		0.0000180	0.0000500	1	03/24/2022 19:12	WG1837092
Pyrene	U		0.0000169	0.0000500	1	03/24/2022 19:12	WG1837092

ACCOUNT: Stantec - Anchorage, AK - Speedway PROJECT: 185705772

SDG: L1473854 DATE/TIME: 04/08/22 08:25

PAGE: 8 of 29

Collected date/time: 03/18/22 15:53

L1473854

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/l		mg/l	mg/l		date / time	
1-Methylnaphthalene	U		0.0000687	0.000250	1	03/24/2022 19:12	WG1837092
2-Methylnaphthalene	U		0.0000674	0.000250	1	03/24/2022 19:12	WG1837092
(S) Nitrobenzene-d5	74.7			31.0-160		03/24/2022 19:12	WG1837092
(S) 2-Fluorobiphenyl	72.6			48.0-148		03/24/2022 19:12	WG1837092
(S) p-Terphenyl-d14	85.8			37.0-146		03/24/2022 19:12	WG1837092



















MW16-02

SAMPLE RESULTS - 03

Collected date/time: 03/18/22 14:52

Metals (ICP) by Method 6010C

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/l		mg/l	mg/l		date / time	
Sodium	6.93		0.504	3.00	1	03/28/2022 14:54	WG1837371



Volatile Organic Compounds (GC) by Method AK101

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
TPHGAK C6 to C10	1.95		0.0287	0.100	1	03/26/2022 17:08	WG1838816
(S) a,a,a-Trifluorotoluene(FID)	107			50.0-150		03/26/2022 17:08	WG1838816
(S) a,a,a-Trifluorotoluene(PID)	0.000	<u>J2</u>		79.0-125		03/26/2022 17:08	WG1838816



Ss

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	03/28/2022 04:00	WG1839121
n-Butylbenzene	0.00548		0.000157	0.00100	1	03/28/2022 04:00	WG1839121
sec-Butylbenzene	0.00446		0.000125	0.00100	1	03/28/2022 04:00	WG1839121
tert-Butylbenzene	U		0.000127	0.00100	1	03/28/2022 04:00	WG1839121
Ethylbenzene	0.000320	<u>J</u>	0.000137	0.00100	1	03/28/2022 04:00	WG1839121
Isopropylbenzene	0.00275		0.000105	0.00100	1	03/28/2022 04:00	WG1839121
Naphthalene	U		0.00100	0.00500	1	03/28/2022 04:00	WG1839121
Toluene	U		0.000278	0.00100	1	03/28/2022 04:00	WG1839121
1,2,4-Trimethylbenzene	0.0341		0.000322	0.00100	1	03/28/2022 04:00	WG1839121
1,3,5-Trimethylbenzene	0.0231		0.000104	0.00100	1	03/28/2022 04:00	WG1839121
m&p-Xylene	0.000827	<u>J</u>	0.000430	0.00200	1	03/28/2022 04:00	WG1839121
o-Xylene	0.000182	J	0.000174	0.00100	1	03/28/2022 04:00	WG1839121
(S) Toluene-d8	111			80.0-120		03/28/2022 04:00	WG1839121
(S) 4-Bromofluorobenzene	112			77.0-126		03/28/2022 04:00	WG1839121
(S) 1,2-Dichloroethane-d4	92.2			70.0-130		03/28/2022 04:00	WG1839121

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Semi-Volatile Organic Compounds (GC) by Method AK102

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
AK102 DRO C10-C25	0.643	ВJ	0.229	0.800	1	04/04/2022 07:18	WG1839545
(S) o-Terphenyl	52.3			50.0-150		04/04/2022 07:18	WG1839545

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/l		mg/l	mg/l		date / time	
Anthracene	U		0.0000190	0.0000500	1	03/24/2022 19:30	WG1837092
Acenaphthene	0.0000201	<u>J</u>	0.0000190	0.0000500	1	03/24/2022 19:30	WG1837092
Acenaphthylene	U		0.0000171	0.0000500	1	03/24/2022 19:30	WG1837092
Benzo(a)anthracene	U		0.0000203	0.0000500	1	03/24/2022 19:30	WG1837092
Benzo(a)pyrene	U		0.0000184	0.0000500	1	03/24/2022 19:30	WG1837092
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	03/24/2022 19:30	WG1837092
Benzo(g,h,i)perylene	U		0.0000184	0.0000500	1	03/24/2022 19:30	WG1837092
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	03/24/2022 19:30	WG1837092
Chrysene	U		0.0000179	0.0000500	1	03/24/2022 19:30	WG1837092
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	1	03/24/2022 19:30	WG1837092
Fluoranthene	U		0.0000270	0.000100	1	03/24/2022 19:30	WG1837092
Fluorene	0.000124		0.0000169	0.0000500	1	03/24/2022 19:30	WG1837092
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500	1	03/24/2022 19:30	WG1837092
Naphthalene	0.000106	<u>J</u>	0.0000917	0.000250	1	03/24/2022 19:30	WG1837092
Phenanthrene	0.0000482	<u>J</u>	0.0000180	0.0000500	1	03/24/2022 19:30	WG1837092
Pyrene	0.0000218	<u>J</u>	0.0000169	0.0000500	1	03/24/2022 19:30	WG1837092

MW16-02

SAMPLE RESULTS - 03

Collected date/time: 03/18/22 14:52

L1473854

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
1-Methylnaphthalene	0.0000729	<u>J</u>	0.0000687	0.000250	1	03/24/2022 19:30	WG1837092
2-Methylnaphthalene	0.000129	<u>J</u>	0.0000674	0.000250	1	03/24/2022 19:30	WG1837092
(S) Nitrobenzene-d5	77.9			31.0-160		03/24/2022 19:30	WG1837092
(S) 2-Fluorobiphenyl	71.6			48.0-148		03/24/2022 19:30	WG1837092
(S) p-Terphenyl-d14	84.7			37.0-146		03/24/2022 19:30	WG1837092



















DUP1

SAMPLE RESULTS - 04

Collected date/time: 03/18/22 13:38

Metals (ICP) by Method 6010C

· · · · · ·							
	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
Sodium	41.2		0.504	3.00	1	03/28/2022 14:57	WG1837371



Volatile Organic Compounds (GC) by Method AK101

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
TPHGAK C6 to C10	23.2		0.287	1.00	10	03/30/2022 18:25	WG1840109
(S) a,a,a-Trifluorotoluene(FID)	108			50.0-150		03/30/2022 18:25	WG1840109
(S) a,a,a-Trifluorotoluene(PID)	0.000	<u>J2</u>		79.0-125		03/30/2022 18:25	WG1840109



Ss

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
Benzene	0.000148	<u>J</u>	0.0000941	0.00100	1	03/28/2022 04:22	WG1839121
n-Butylbenzene	0.00378		0.000157	0.00100	1	03/28/2022 04:22	WG1839121
sec-Butylbenzene	0.00600		0.000125	0.00100	1	03/28/2022 04:22	WG1839121
tert-Butylbenzene	U		0.000127	0.00100	1	03/28/2022 04:22	WG1839121
Ethylbenzene	0.888		0.0137	0.100	100	03/28/2022 13:47	WG1839249
Isopropylbenzene	0.194		0.000105	0.00100	1	03/28/2022 04:22	WG1839121
Naphthalene	0.0718		0.00100	0.00500	1	03/28/2022 04:22	WG1839121
Toluene	0.000886	<u>J</u>	0.000278	0.00100	1	03/28/2022 04:22	WG1839121
1,2,4-Trimethylbenzene	4.46		0.0322	0.100	100	03/28/2022 13:47	WG1839249
1,3,5-Trimethylbenzene	0.938		0.0104	0.100	100	03/28/2022 13:47	WG1839249
m&p-Xylene	4.53		0.0430	0.200	100	03/28/2022 13:47	WG1839249
o-Xylene	0.916		0.0174	0.100	100	03/28/2022 13:47	WG1839249
(S) Toluene-d8	99.7			80.0-120		03/28/2022 04:22	WG1839121
(S) Toluene-d8	102			80.0-120		03/28/2022 13:47	WG1839249
(S) 4-Bromofluorobenzene	99.9			77.0-126		03/28/2022 04:22	WG1839121
(S) 4-Bromofluorobenzene	104			77.0-126		03/28/2022 13:47	WG1839249
(S) 1,2-Dichloroethane-d4	104			70.0-130		03/28/2022 04:22	WG1839121
(S) 1,2-Dichloroethane-d4	99.7			70.0-130		03/28/2022 13:47	WG1839249

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Semi-Volatile Organic Compounds (GC) by Method AK102

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
AK102 DRO C10-C25	4.36	В	0.229	0.800	1	04/03/2022 16:56	WG1839545
(S) o-Terphenyl	78.2			50.0-150		04/03/2022 16:56	WG1839545

Sample Narrative:

L1473854-04 WG1839545: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
Anthracene	U		0.0000190	0.0000500	1	03/24/2022 19:48	WG1837092
Acenaphthene	0.000100		0.0000190	0.0000500	1	03/24/2022 19:48	WG1837092
Acenaphthylene	U		0.0000171	0.0000500	1	03/24/2022 19:48	WG1837092
Benzo(a)anthracene	U		0.0000203	0.0000500	1	03/24/2022 19:48	WG1837092
Benzo(a)pyrene	U		0.0000184	0.0000500	1	03/24/2022 19:48	WG1837092
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	03/24/2022 19:48	WG1837092
Benzo(g,h,i)perylene	U		0.0000184	0.0000500	1	03/24/2022 19:48	WG1837092
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	03/24/2022 19:48	WG1837092
Chrysene	U		0.0000179	0.0000500	1	03/24/2022 19:48	WG1837092
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	1	03/24/2022 19:48	WG1837092

DUP1

SAMPLE RESULTS - 04

Collected date/time: 03/18/22 13:38

L1473854

	•	<u>-</u>					
	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
Fluoranthene	U		0.0000270	0.000100	1	03/24/2022 19:48	WG1837092
Fluorene	0.000400		0.0000169	0.0000500	1	03/24/2022 19:48	WG1837092
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500	1	03/24/2022 19:48	WG1837092
Naphthalene	0.0520		0.0000917	0.000250	1	03/24/2022 19:48	WG1837092
Phenanthrene	0.000161		0.0000180	0.0000500	1	03/24/2022 19:48	WG1837092
Pyrene	U		0.0000169	0.0000500	1	03/24/2022 19:48	WG1837092
1-Methylnaphthalene	0.00811		0.0000687	0.000250	1	03/24/2022 19:48	WG1837092
2-Methylnaphthalene	0.0143		0.0000674	0.000250	1	03/24/2022 19:48	WG1837092
(S) Nitrobenzene-d5	86.8			31.0-160		03/24/2022 19:48	WG1837092
(S) 2-Fluorobiphenyl	72.1			48.0-148		03/24/2022 19:48	WG1837092
(S) p-Terphenyl-d14	86.8			37.0-146		03/24/2022 19:48	WG1837092



















Collected date/time: 03/18/22 00:00

Volatile Organic Compounds (GC/MS) by Method 8260C

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0000941	0.00100	1	03/28/2022 02:55	WG1839121
n-Butylbenzene	U		0.000157	0.00100	1	03/28/2022 02:55	WG1839121
sec-Butylbenzene	U		0.000125	0.00100	1	03/28/2022 02:55	WG1839121
tert-Butylbenzene	U		0.000127	0.00100	1	03/28/2022 02:55	WG1839121
Ethylbenzene	U		0.000137	0.00100	1	03/28/2022 02:55	WG1839121
Isopropylbenzene	U		0.000105	0.00100	1	03/28/2022 02:55	WG1839121
Naphthalene	U		0.00100	0.00500	1	03/28/2022 02:55	WG1839121
Toluene	U		0.000278	0.00100	1	03/28/2022 02:55	WG1839121
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	03/28/2022 02:55	WG1839121
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	03/28/2022 02:55	WG1839121
m&p-Xylene	U		0.000430	0.00200	1	03/28/2022 02:55	WG1839121
o-Xylene	U		0.000174	0.00100	1	03/28/2022 02:55	WG1839121
(S) Toluene-d8	104			80.0-120		03/28/2022 02:55	WG1839121
(S) 4-Bromofluorobenzene	103			77.0-126		03/28/2022 02:55	WG1839121
(S) 1,2-Dichloroethane-d4	101			70.0-130		03/28/2022 02:55	WG1839121



















RW16-01

SAMPLE RESULTS - 06

Collected date/time: 03/18/22 13:36

C. 03/10/22 13.30

Metals (ICP) by Method 6010C

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/l		mg/l	mg/l		date / time	
Sodium	39.9		0.504	3.00	1	03/28/2022 14:59	WG1837371

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Volatile Organic Compounds (GC) by Method AK101

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
TPHGAK C6 to C10	21.9		0.574	2.00	20	03/28/2022 12:37	WG1838817
(S) a,a,a-Trifluorotoluene(FID)	105			50.0-150		03/28/2022 12:37	<u>WG1838817</u>
(S) a,a,a-Trifluorotoluene(PID)	0.000	<u>J2</u>		79.0-125		03/28/2022 12:37	WG1838817



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Volatile Organic Compounds (GC/MS) by Method 8260C

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
Benzene	U		0.0188	0.200	200	03/28/2022 06:09	WG1839121
n-Butylbenzene	U		0.0314	0.200	200	03/28/2022 06:09	WG1839121
sec-Butylbenzene	U		0.0250	0.200	200	03/28/2022 06:09	WG1839121
tert-Butylbenzene	U		0.0254	0.200	200	03/28/2022 06:09	WG1839121
Ethylbenzene	0.939		0.0274	0.200	200	03/28/2022 06:09	WG1839121
Isopropylbenzene	0.229		0.0210	0.200	200	03/28/2022 06:09	WG1839121
Naphthalene	U		0.200	1.00	200	03/28/2022 06:09	WG1839121
Toluene	U		0.0556	0.200	200	03/28/2022 06:09	WG1839121
1,2,4-Trimethylbenzene	4.04		0.0644	0.200	200	03/28/2022 06:09	WG1839121
1,3,5-Trimethylbenzene	0.868		0.0208	0.200	200	03/28/2022 06:09	WG1839121
m&p-Xylene	4.56		0.0860	0.400	200	03/28/2022 06:09	WG1839121
o-Xylene	0.988		0.0348	0.200	200	03/28/2022 06:09	WG1839121
(S) Toluene-d8	95.3			80.0-120		03/28/2022 06:09	WG1839121
(S) 4-Bromofluorobenzene	106			77.0-126		03/28/2022 06:09	WG1839121
(S) 1,2-Dichloroethane-d4	100			70.0-130		03/28/2022 06:09	WG1839121

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Semi-Volatile Organic Compounds (GC) by Method AK102

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l	mg/l		date / time	
AK102 DRO C10-C25	4.26	В	0.229	0.800	1	04/03/2022 17:16	WG1839545
(S) o-Terphenyl	76.8			50.0-150		04/03/2022 17:16	WG1839545

Sample Narrative:

L1473854-06 WG1839545: Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/l		mg/l	mg/l		date / time	
Anthracene	U		0.0000190	0.0000500	1	03/24/2022 20:05	WG1837092
Acenaphthene	0.000100		0.0000190	0.0000500	1	03/24/2022 20:05	WG1837092
Acenaphthylene	U		0.0000171	0.0000500	1	03/24/2022 20:05	WG1837092
Benzo(a)anthracene	U		0.0000203	0.0000500	1	03/24/2022 20:05	WG1837092
Benzo(a)pyrene	U		0.0000184	0.0000500	1	03/24/2022 20:05	WG1837092
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	03/24/2022 20:05	WG1837092
Benzo(g,h,i)perylene	U		0.0000184	0.0000500	1	03/24/2022 20:05	WG1837092
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	03/24/2022 20:05	WG1837092
Chrysene	U		0.0000179	0.0000500	1	03/24/2022 20:05	WG1837092
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	1	03/24/2022 20:05	WG1837092
Fluoranthene	U		0.0000270	0.000100	1	03/24/2022 20:05	WG1837092
Fluorene	0.000390		0.0000169	0.0000500	1	03/24/2022 20:05	WG1837092
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500	1	03/24/2022 20:05	WG1837092

RW16-01

SAMPLE RESULTS - 06

Collected date/time: 03/18/22 13:36

L1473854

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/l		mg/l	mg/l		date / time	
Naphthalene	0.0486		0.0000917	0.000250	1	03/24/2022 20:05	WG1837092
Phenanthrene	0.000158		0.0000180	0.0000500	1	03/24/2022 20:05	WG1837092
Pyrene	U		0.0000169	0.0000500	1	03/24/2022 20:05	WG1837092
1-Methylnaphthalene	0.00783		0.0000687	0.000250	1	03/24/2022 20:05	WG1837092
2-Methylnaphthalene	0.0134		0.0000674	0.000250	1	03/24/2022 20:05	WG1837092
(S) Nitrobenzene-d5	84.7			31.0-160		03/24/2022 20:05	WG1837092
(S) 2-Fluorobiphenyl	72.1			48.0-148		03/24/2022 20:05	WG1837092
(S) p-Terphenyl-d14	85.8			37.0-146		03/24/2022 20:05	WG1837092



















QUALITY CONTROL SUMMARY

L1473854-01,02,03,04,06

Metals (ICP) by Method 6010C Method Blank (MB)

(MB) R3774972-1 03/28/22 14:05

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Sodium	U		0.504	3.00







Laboratory Control Sample (LCS)

(LCS) R3774972-2 03/28/22 14:08

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/l	mg/l	%	%	
Sodium	10.0	10.1	101	80.0-120	









(OS) L1473914-01 03/28/22 14:11 • (MS) R3774972-4 03/28/22 14:16 • (MSD) R3774972-5 03/28/22 14:19

(,		Original Result	•	•	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Sodium	10.0	80.4	87.3	87.1	69.6	67.6	1	75.0-125	V	V	0.228	20









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QUALITY CONTROL SUMMARY

L1473854-01,02,03

Volatile Organic Compounds (GC) by Method AK101

Method Blank (MB)

(MB) R3775220-2 03/26/	/22 13:38			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
TPHGAK C6 to C10	U		0.0287	0.100
(S) a,a,a-Trifluorotoluene(FID)	103			60.0-120
(S) a,a,a-Trifluorotoluene(PID)	0.000	<u>J2</u>		79.0-125







Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R37/5220-1 03/26/	22 12:00 • (LCS	D) R3//5220-	/ 03/28/22 03	:12						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
TPHGAK C6 to C10	5.00	4.53	4.81	90.6	96.2	60.0-120			6.00	20
(S) a,a,a-Trifluorotoluene(FID)				115	115	60.0-120				
(S) a,a,a-Trifluorotoluene(PID)				0.000	0.000	79.0-125	<u>J2</u>	<u>J2</u>		









L1474257-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1474257-02 03/26/	'22 18:27 • (MS)	R3775220-3 (03/28/22 01:0	0 • (MSD) R377	5220-4 03/28	3/22 01:26						
, ,		Original Result		MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
TPHGAK C6 to C10	5.00	1.60	6.23	6.13	92.6	90.6	1	70.0-130			1.62	20
(S) a,a,a-Trifluorotoluene(FID)					111	110		50.0-150				
(S) a,a,a-Trifluorotoluene(PID)					0.000	0.000		79.0-125	<u>J2</u>	<u>J2</u>		

L1475658-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1475658-01 03/26/	22 21:06 • (MS)	R3775220-5 (03/28/22 01:52	2 • (MSD) R377	5220-6 03/28	/22 02:19						
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
TPHGAK C6 to C10	5.00	U	3.80	4.03	76.0	80.6	1	70.0-130			5.87	20
(S) a,a,a-Trifluorotoluene(FID)					106	106		50.0-150				
(S) a,a,a-Trifluorotoluene(PID)					0.000	0.000		79.0-125	<u>J2</u>	<u>J2</u>		

QUALITY CONTROL SUMMARY

Volatile Organic Compounds (GC) by Method AK101

L1473854-06

Method Blank (MB)

(MB) R3775236-2 03/28	3/22 05:21				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	mg/l		mg/l	mg/l	
TPHGAK C6 to C10	0.0334	<u>J</u>	0.0287	0.100	
(S) a,a,a-Trifluorotoluene(FID)	108			60.0-120	
(S) a,a,a-Trifluorotoluene(PID)	0.000	<u>J2</u>		79.0-125	

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3775236-1 03/28	/22 04:19 • (LCS	D) R3775236	-3 03/28/22 13	:30						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
TPHGAK C6 to C10	5.00	5.02	4.79	100	95.8	60.0-120			4.69	20
(S) a,a,a-Trifluorotoluene(FID)				120	115	60.0-120				
(S) a,a,a-Trifluorotoluene(PID)				0.000	0.000	79.0-125	<u>J2</u>	<u>J2</u>		



Stantec - Anchorage, AK - Speedway

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QUALITY CONTROL SUMMARY

Volatile Organic Compounds (GC) by Method AK101

L1473854-04

Method Blank (MB)

	0/22 17:29 MB Result	MB Qualifier	MB MDL	MB RDL	
Amalista		WD Qualifier			
Analyte	mg/l		mg/l	mg/l	
TPHGAK C6 to C10	U		0.0287	0.100	
(S) a,a,a-Trifluorotoluene(FID)	107			60.0-120	
(S) a,a,a-Trifluorotoluene(PID)	0.000	<u>J2</u>		79.0-125	

(LCS) R3775874-1 03/30/	/22 16:00 • (LCS	D) R3775874-	3 03/30/22 19:	18						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
TPHGAK C6 to C10	5.00	4.67	4.87	93.4	97.4	60.0-120			4.19	20
(S) a,a,a-Trifluorotoluene(FID)				119	117	60.0-120				
(S) a.a.a-Trifluorotoluene(PID)				0.000	0.000	79.0-125	<u>J2</u>	<u>J2</u>		



QUALITY CONTROL SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260C

L1473854-01,02,03,04,05,06

Method Blank (MB)

	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	mg/l		mg/l	mg/l	
Benzene	U		0.0000941	0.00100	
n-Butylbenzene	U		0.000157	0.00100	
sec-Butylbenzene	U		0.000125	0.00100	
tert-Butylbenzene	U		0.000127	0.00100	
Ethylbenzene	U		0.000137	0.00100	
Isopropylbenzene	U		0.000105	0.00100	
Naphthalene	U		0.00100	0.00500	
Toluene	U		0.000278	0.00100	
1,2,4-Trimethylbenzene	U		0.000322	0.00100	
1,3,5-Trimethylbenzene	U		0.000104	0.00100	
m&p-Xylenes	U		0.000430	0.00200	
o-Xylene	U		0.000174	0.00100	
(S) Toluene-d8	105			80.0-120	
(S) 4-Bromofluorobenzene	104			77.0-126	
(S) 1,2-Dichloroethane-d4	98.8			70.0-130	

(LCS) R3//4532-1 (03/2//22 19:20 •	(LCSD) R3//4532-3	03/2//22 20:03
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	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Benzene	0.00500	0.00512	0.00477	102	95.4	70.0-123			7.08	20
n-Butylbenzene	0.00500	0.00522	0.00498	104	99.6	73.0-125			4.71	20
sec-Butylbenzene	0.00500	0.00544	0.00535	109	107	75.0-125			1.67	20
ert-Butylbenzene	0.00500	0.00502	0.00512	100	102	76.0-124			1.97	20
Ethylbenzene	0.00500	0.00538	0.00533	108	107	79.0-123			0.934	20
sopropylbenzene	0.00500	0.00556	0.00504	111	101	76.0-127			9.81	20
Naphthalene	0.00500	0.00515	0.00475	103	95.0	54.0-135			8.08	20
Toluene	0.00500	0.00547	0.00550	109	110	79.0-120			0.547	20
1,2,4-Trimethylbenzene	0.00500	0.00530	0.00549	106	110	76.0-121			3.52	20
1,3,5-Trimethylbenzene	0.00500	0.00504	0.00508	101	102	76.0-122			0.791	20
m&p-Xylenes	0.0100	0.0110	0.0103	110	103	80.0-122			6.57	20
o-Xylene	0.00500	0.00534	0.00523	107	105	80.0-122			2.08	20
(S) Toluene-d8				105	109	80.0-120				
(S) 4-Bromofluorobenzene				107	99.9	77.0-126				
(S) 1,2-Dichloroethane-d4				103	102	70.0-130				

















QUALITY CONTROL SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260C

L1473854-01,02,03,04,05,06

L1475618-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1475618-01 03/28/22 05:48 • (MS) R3774532-4 03/28/22 06:31 • (MSD) R3774532-5 03/28/22 06:52

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Benzene	0.00500	U	0.00451	0.00465	90.2	93.0	1	17.0-158			3.06	27
n-Butylbenzene	0.00500	U	0.00589	0.00555	118	111	1	31.0-150			5.94	30
sec-Butylbenzene	0.00500	U	0.00566	0.00560	113	112	1	33.0-155			1.07	29
tert-Butylbenzene	0.00500	U	0.00559	0.00559	112	112	1	34.0-153			0.000	28
Ethylbenzene	0.00500	U	0.00506	0.00510	101	102	1	30.0-155			0.787	27
Isopropylbenzene	0.00500	U	0.00502	0.00566	100	113	1	28.0-157			12.0	27
Naphthalene	0.00500	U	0.00447	0.00534	89.4	107	1	12.0-156			17.7	35
Toluene	0.00500	U	0.00475	0.00619	95.0	124	1	26.0-154			26.3	28
1,2,4-Trimethylbenzene	0.00500	0.00135	0.00651	0.00588	103	90.6	1	26.0-154			10.2	27
1,3,5-Trimethylbenzene	0.00500	0.000392	0.00570	0.00544	106	101	1	28.0-153			4.67	27
m&p-Xylenes	0.0100	0.000651	0.0103	0.0106	96.5	99.5	1	43.0-146			2.87	26
o-Xylene	0.00500	U	0.00450	0.00517	90.0	103	1	45.0-144			13.9	26
(S) Toluene-d8					93.6	119		80.0-120				
(S) 4-Bromofluorobenzene					101	105		77.0-126				
(S) 1,2-Dichloroethane-d4					102	102		70.0-130				



















QUALITY CONTROL SUMMARY

Volatile Organic Compounds (GC/MS) by Method 8260C

L1473854-04

Method Blank (MB)

(S) 1,2-Dichloroethane-d4

MB MDL mg/l 0.000137 0.000322 0.000104	MB RDL mg/l 0.00100 0.00100 0.00100
0.000137 0.000322	0.00100 0.00100
0.000322	0.00100
0.000104	0.00100
	0.00100
0.000430	0.00200
0.000174	0.00100
	80.0-120
	77.0-126
	70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%	
Ethylbenzene	0.00500	0.00503	0.00510	101	102	79.0-123			1.38	20	
1,2,4-Trimethylbenzene	0.00500	0.00527	0.00532	105	106	76.0-121			0.944	20	
1,3,5-Trimethylbenzene	0.00500	0.00518	0.00541	104	108	76.0-122			4.34	20	
m&p-Xylenes	0.0100	0.0102	0.0104	102	104	80.0-122			1.94	20	
o-Xylene	0.00500	0.00487	0.00525	97.4	105	80.0-122			7.51	20	
(S) Toluene-d8				101	103	80.0-120					
(S) 4-Bromofluorobenzene				102	105	77.0-126					

70.0-130

















103

101

QUALITY CONTROL SUMMARY

Semi-Volatile Organic Compounds (GC) by Method AK102

L1473854-01,02,03,04,06

Method Blank (MB)

(MB) R3777176-3 04/04/	/22 09:43			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
AK102 DRO C10-C25	0.834		0.229	0.800
(S) o-Terphenyl	77.3			60.0-120

2_





(LCS) R3///1/6-1 04/02/2	2 17:40 • (LCSL)) R3///1/6-2	04/02/22 18:0	Ü						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
AK102 DRO C10-C25	6.00	5.79	5.08	96.5	84.7	75.0-125			13.1	20
(S) o-Terphenyl				103	94.1	60.0-120				













QUALITY CONTROL SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

L1473854-01,02,03,04,06

Method Blank (MB)

(MB) R3774118-3 03/24	/22 16:51				
	MB Result	MB Qualifier	MB MDL	MB RDL	2_
Analyte	mg/l		mg/l	mg/l	ľΤ
Anthracene	U		0.0000190	0.0000500	<u> </u>
Acenaphthene	U		0.0000190	0.0000500	³ S
Acenaphthylene	U		0.0000171	0.0000500	Ľ
Benzo(a)anthracene	U		0.0000203	0.0000500	4
Benzo(a)pyrene	U		0.0000184	0.0000500	
Benzo(b)fluoranthene	U		0.0000168	0.0000500	<u> </u>
Benzo(g,h,i)perylene	U		0.0000184	0.0000500	⁵ S
Benzo(k)fluoranthene	U		0.0000202	0.0000500	Ľ
Chrysene	U		0.0000179	0.0000500	6
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	Č
Fluoranthene	U		0.0000270	0.000100	
Fluorene	U		0.0000169	0.0000500	7 (-
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500	Ľ
Naphthalene	U		0.0000917	0.000250	8
Phenanthrene	U		0.0000180	0.0000500	
Pyrene	U		0.0000169	0.0000500	<u> </u>
1-Methylnaphthalene	U		0.0000687	0.000250	⁹ S
2-Methylnaphthalene	U		0.0000674	0.000250	Ľ
(S) Nitrobenzene-d5	84.5			31.0-160	
(S) 2-Fluorobiphenyl	81.5			48.0-148	
(S) p-Terphenyl-d14	98.5			37.0-146	

(LCS) R3774118-1 03/24/22 16:16 • (LCSD) R3774118-2 03/24/22 16:33									
Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
mg/l	mg/l	mg/l	%	%	%			%	%
0.00200	0.00146	0.00152	73.0	76.0	67.0-150			4.03	20
0.00200	0.00141	0.00147	70.5	73.5	65.0-138			4.17	20
0.00200	0.00152	0.00156	76.0	78.0	66.0-140			2.60	20
0.00200	0.00157	0.00160	78.5	80.0	61.0-140			1.89	20
0.00200	0.00146	0.00148	73.0	74.0	60.0-143			1.36	20
0.00200	0.00152	0.00156	76.0	78.0	58.0-141			2.60	20
0.00200	0.00143	0.00149	71.5	74.5	52.0-153			4.11	20
0.00200	0.00153	0.00155	76.5	77.5	58.0-148			1.30	20
0.00200	0.00151	0.00155	75.5	77.5	64.0-144			2.61	20
0.00200	0.00139	0.00145	69.5	72.5	52.0-155			4.23	20
0.00200	0.00151	0.00154	75.5	77.0	69.0-153			1.97	20
0.00200	0.00155	0.00159	77.5	79.5	64.0-136			2.55	20
	Spike Amount mg/l 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200 0.00200	Spike Amount mg/l LCS Result mg/l 0.00200 0.00146 0.00200 0.00141 0.00200 0.00152 0.00200 0.00157 0.00200 0.00146 0.00200 0.00152 0.00200 0.00152 0.00200 0.00152 0.00200 0.00153 0.00200 0.00151 0.00200 0.00151 0.00200 0.00151	Spike Amount LCS Result mg/l LCSD Result mg/l 0.00200 0.00146 0.00152 0.00200 0.00141 0.00147 0.00200 0.00152 0.00156 0.00200 0.00157 0.00160 0.00200 0.00146 0.00148 0.00200 0.00152 0.00156 0.00200 0.00152 0.00156 0.00200 0.00143 0.00149 0.00200 0.00153 0.00155 0.00200 0.00139 0.00145 0.00200 0.00151 0.00154	Spike Amount LCS Result LCSD Result LCS Rec. mg/l mg/l % 0.00200 0.00146 0.00152 73.0 0.00200 0.00141 0.00147 70.5 0.00200 0.00152 0.00156 76.0 0.00200 0.00157 0.00160 78.5 0.00200 0.00146 0.00148 73.0 0.00200 0.00152 0.00156 76.0 0.00200 0.00152 0.00156 76.0 0.00200 0.00143 0.00149 71.5 0.00200 0.00153 0.00155 76.5 0.00200 0.00151 0.00155 75.5 0.00200 0.00139 0.00145 69.5 0.00200 0.00151 0.00154 75.5	Spike Amount LCS Result LCSD Result LCS Rec. LCSD Rec. mg/l mg/l mg/l % % 0.00200 0.00146 0.00152 73.0 76.0 0.00200 0.00141 0.00147 70.5 73.5 0.00200 0.00152 0.00156 76.0 78.0 0.00200 0.00157 0.00160 78.5 80.0 0.00200 0.00146 0.00148 73.0 74.0 0.00200 0.00152 0.00156 76.0 78.0 0.00200 0.00143 0.00149 71.5 74.5 0.00200 0.00153 0.00155 76.5 77.5 0.00200 0.00151 0.00155 75.5 77.5 0.00200 0.00139 0.00145 69.5 72.5 0.00200 0.00151 0.00154 75.5 77.0	Spike Amount LCS Result LCSD Result LCS Rec. LCSD Rec. Rec. Limits mg/l mg/l mg/l % % % 0.00200 0.00146 0.00152 73.0 76.0 67.0-150 0.00200 0.00141 0.00147 70.5 73.5 65.0-138 0.00200 0.00152 0.00156 76.0 78.0 66.0-140 0.00200 0.00157 0.00160 78.5 80.0 61.0-140 0.00200 0.00146 0.00148 73.0 74.0 60.0-143 0.00200 0.00152 0.00156 76.0 78.0 58.0-141 0.00200 0.00152 0.00156 76.0 78.0 58.0-141 0.00200 0.00143 0.00149 71.5 74.5 52.0-153 0.00200 0.00153 0.00155 76.5 77.5 58.0-148 0.00200 0.00151 0.00155 75.5 77.5 52.0-155 0.00200 0.00151 0.0	Spike Amount mg/l LCS Result mg/l LCSD Result mg/l LCS Rec. LCSD Rec. Rec. Limits LCS Qualifier 0.00200 0.00146 0.00152 73.0 76.0 67.0-150 0.00200 0.00141 0.00147 70.5 73.5 65.0-138 0.00200 0.00152 0.00156 76.0 78.0 66.0-140 0.00200 0.00157 0.00160 78.5 80.0 61.0-140 0.00200 0.00146 0.00148 73.0 74.0 60.0-143 0.00200 0.00152 0.00156 76.0 78.0 58.0-141 0.00200 0.00152 0.00156 76.0 78.0 58.0-141 0.00200 0.00152 0.00156 76.0 78.5 52.0-153 0.00200 0.00153 0.00155 76.5 77.5 58.0-148 0.00200 0.00151 0.00155 75.5 77.5 64.0-144 0.00200 0.00151 0.00154 69.5 72.5 52.0-155 <t< td=""><td>Spike Amount mg/l LCS Result mg/l LCSD Result mg/l LCSD Rec. Rec. Limits LCS Qualifier LCSD Qualifier 0.00200 0.00146 0.00152 73.0 76.0 67.0-150 7.0</td><td>Spike Amount mg/l LCSD Result mg/l LCSD Result mg/l LCSD Rec. mg/l Rec. Limits mg/l LCS Qualifier mg/l LCSD Qualifier mg/l RPD mg/l 0.00200 0.00146 0.00152 73.0 76.0 67.0-150 4.03 0.00200 0.00141 0.00147 70.5 73.5 65.0-138 4.17 0.00200 0.00152 0.00156 76.0 78.0 66.0-140 2.60 0.00200 0.00157 0.00160 78.5 80.0 61.0-140 1.89 0.00200 0.00146 0.00148 73.0 74.0 60.0-143 1.36 0.00200 0.00152 0.00156 76.0 78.0 58.0-141 2.60 0.00200 0.00152 0.00156 76.0 78.0 58.0-141 2.60 0.00200 0.00143 0.00149 71.5 74.5 52.0-153 1.30 0.00200 0.00153 0.00155 76.5 77.5 64.0-144 1.30 0.00200 0.00151 0.00155</td></t<>	Spike Amount mg/l LCS Result mg/l LCSD Result mg/l LCSD Rec. Rec. Limits LCS Qualifier LCSD Qualifier 0.00200 0.00146 0.00152 73.0 76.0 67.0-150 7.0	Spike Amount mg/l LCSD Result mg/l LCSD Result mg/l LCSD Rec. mg/l Rec. Limits mg/l LCS Qualifier mg/l LCSD Qualifier mg/l RPD mg/l 0.00200 0.00146 0.00152 73.0 76.0 67.0-150 4.03 0.00200 0.00141 0.00147 70.5 73.5 65.0-138 4.17 0.00200 0.00152 0.00156 76.0 78.0 66.0-140 2.60 0.00200 0.00157 0.00160 78.5 80.0 61.0-140 1.89 0.00200 0.00146 0.00148 73.0 74.0 60.0-143 1.36 0.00200 0.00152 0.00156 76.0 78.0 58.0-141 2.60 0.00200 0.00152 0.00156 76.0 78.0 58.0-141 2.60 0.00200 0.00143 0.00149 71.5 74.5 52.0-153 1.30 0.00200 0.00153 0.00155 76.5 77.5 64.0-144 1.30 0.00200 0.00151 0.00155

QUALITY CONTROL SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

L1473854-01,02,03,04,06

(LCS) R3774118-1	03/24/22 16:16 •	(LCSD) R3774118-2	03/24/22 16:33

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%	
Indeno(1,2,3-cd)pyrene	0.00200	0.00149	0.00151	74.5	75.5	54.0-153			1.33	20	
Naphthalene	0.00200	0.00143	0.00155	71.5	77.5	61.0-137			8.05	20	
Phenanthrene	0.00200	0.00152	0.00156	76.0	78.0	62.0-137			2.60	20	
Pyrene	0.00200	0.00149	0.00154	74.5	77.0	60.0-142			3.30	20	
1-Methylnaphthalene	0.00200	0.00146	0.00157	73.0	78.5	66.0-142			7.26	20	
2-Methylnaphthalene	0.00200	0.00139	0.00151	69.5	75.5	62.0-136			8.28	20	
(S) Nitrobenzene-d5				78.0	77.0	31.0-160					
(S) 2-Fluorobiphenyl				72.5	71.5	48.0-148					
(S) p-Terphenyl-d14				86.0	87.0	37.0-146					



















GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

Appreviations and	T DEIIIIIIO112
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
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	·
В	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
V	The sample concentration is too high to evaluate accurate spike recoveries.

DATE/TIME:

PAGE:

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ACCREDITATIONS & LOCATIONS

Pace Analy	tical National	12065 Lebanon	Rd Mount Julie	≥t TN 37122

•		
Alabama 40660	Nebraska	NE-OS-15-05
Alaska 17-026	Nevada	TN000032021-1
Arizona AZ0612	New Hampshire	2975
Arkansas 88-0469	New Jersey-NELAP	TN002
California 2932	New Mexico ¹	TN00003
Colorado TN00003	New York	11742
Connecticut PH-0197	North Carolina	Env375
Florida E87487	North Carolina ¹	DW21704
Georgia NELAP	North Carolina ³	41
Georgia ¹ 923	North Dakota	R-140
ldaho TN00003	Ohio-VAP	CL0069
Illinois 200008	Oklahoma	9915
Indiana C-TN-01	Oregon	TN200002
lowa 364	Pennsylvania	68-02979
Kansas E-10277	Rhode Island	LAO00356
Kentucky ^{1 6} KY90010	South Carolina	84004002
Kentucky ² 16	South Dakota	n/a
ouisiana Al30792	Tennessee 1 4	2006
ouisiana LA018	Texas	T104704245-20-18
Maine TN00003	Texas ⁵	LAB0152
Maryland 324	Utah	TN000032021-11
Massachusetts M-TN003	Vermont	VT2006
Michigan 9958	Virginia	110033
Minnesota 047-999-395	Washington	C847
Mississippi TN00003	West Virginia	233
Missouri 340	Wisconsin	998093910
Montana CERT0086	Wyoming	A2LA
A2LA – ISO 17025 1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵ 1461.02	DOD	1461.01
Canada 1461.01	USDA	P330-15-00234



^{*} Not all certifications held by the laboratory are applicable to the results reported in the attached report.

TN00003



















EPA-Crypto

^{*} Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:	ny Name/Address: Billing Infor		rmation:		200	4	Α	nalvsis /	sis / Container / Preservative					1	Chain of Custody	Page of		
Stantec - Anchorage, AK	PO Box 15			Accounts Payable PO Box 1510 Springfield, OH 45501				i1	n								Pa	ce ⁻
25 E Fireweed Lane uite 200		Springfie														PEOPLE AI	VANCING SCIENCE	
Anchorage. AK 99503 Report to:			Email To: c	raig.cothron@pace	labs.com						1000				1-01		MT JUI	
Mr. John Marshall																12065 Lebanon Rd Moun Submitting a sample via th constitutes acknowledgm	is chain of custody	
Project Description: Speedway 5325		City/State Collected:			Please C PT MT	O.F				S-WT							Pace Terms and Condition https://info.pacelabs.com terms.pdf	s found at:
Phone: 907-266-1108	Client Project	19772		Lab Project # STAAAKSSA-5	325				03	PAHSIMILVID 40mlAmb-NoPres-WT		BIK					SDG # E14	1730
Collected by (print): Luke Simms	Site/Facility 0005325			P.O. #			HCI	Amb HCI	250mIHDPE-HNO3	nlAmb	b-HCl	V8260C 40mIAmb-HCI-BIK			Acctnum: STAAAKSSA			
Collected by (signature):	Same t	Lab MUST Be	Day	Quote #	Needed	1 195	40mlAmb HCl	ml Am	mIHDE	D 40m	V8260C 40mlAmb-HCI	mIAm					Prelogin: P909 PM: 034 - Craig	813
Immediately Packed on Ice N Y	Two D	ay10 D	5 Day (Rad Only) Date Results Needed 10 Day (Rad Only)		Rad Only) Date Results Needed (Rad Only))1 40m	AK102 100ml	P 250	SIMILV	50C 40	50C 40					P8: 33 E Shipped Via: Fe	alle
Sample ID	Comp/Grab	Matrix *	Depth	Date	Date Time		AK101	AK10	NAICP	PAH	V82	V826				- 1942 - 1942	Remarks	Sample # (lab only)
G-01		GW		TAMA	生 6年	11	X	Х	X	X	X						Not sumpled	
G-03		GW		03/4	1553	11	X	Х	X	Х	X						not Sum Pled	
G-05	V	GW		03/18/22		11	X	Х	X	X	X							-01
G-07	V	GW	a security.	03/18/22		11	X	X	X	X	X							n
MW16-02	V	GW		03/18/222	-	11	X	X	X	X	X			= F				~3
DUP1	V	GW		03/18/2022	-	11	X	X	X	Х	X		E.					reg
TRIP BLANK	V	GW		83/18/2022		1	A A					X						-25
RW16-01	V	GW		33/18/22		11	X	Х	Х	Х	X							74
						-				-								
		1									100				Bal			
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other UPS FedEx									COC Bott				COC Si Bottle Correc	Sample Receipt Checklist eal Present/Intact: MP Y N igned/Accurate: N es arrive intact: N ct bottles used: Y N				
		ples returned via: Track				Tracking# 5489 4029 64					6432 s				VOA Ze	ro He	volume sent: If Applicabl adspace:	Y_N
Relinquished by : (Signature)	Date: 18/22 Time: 1819				ed by: (Sign	ature)		pir s		Trip Bla	nk Rece	eived: (Yes) No HCL / MeoH TBR		Н	Preservation Correct/Checked:N RAD Screen <0.5 mR/hr:N			YN
Relinquished by : (Signature)	Date: Time:			e: Receiv	ed by: (Sign	ature)								rvation	ation required by Login: Date/Time			
Relinquished by : (Signature)	Date: Time:			Received for lab by: (Signature)				Date: Time: Hold: 322/22 0900						Condition:				

Laboratory Data Review Checklist

Completed By:	
Jeremiah Malenfant	
Title:	
Geologist-In-Training	
Date:	
4/19/2022	
Consultant Firm:	
Stantec Consulting Services Inc.	
Laboratory Name:	
Pace Analytical	
Laboratory Report Number:	
L1473854	
Laboratory Report Date:	
4/8/2022	
CS Site Name:	
Speedway 5325 (Former T2GM #52)
ADEC File Number:	
2265.26.006	
Hazard Identification Number:	
23769	

	L1473854
La	boratory Report Date:
	4/8/2022
CS	Site Name:
	Speedway 5325 (Former T2GM #52)
	Note: Any N/A or No box checked must have an explanation in the comments box.
1.	<u>Laboratory</u>
	a. Did an ADEC CS approved laboratory receive and <u>perform</u> all of the submitted sample analyses?
	$Yes \boxtimes No \square N/A \square$ Comments:
	b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?
	$Yes \square No \square N/A \boxtimes Comments:$
	Samples not transferred
2.	Chain of Custody (CoC)
	a. CoC information completed, signed, and dated (including released/received by)?
	$Yes \boxtimes No \square N/A \square$ Comments:
	b. Correct analyses requested?
	Yes \boxtimes No \square N/A \square Comments:
3.	Laboratory Sample Receipt Documentation
	a. Sample/cooler temperature documented and within range at receipt (0° to 6° C)?
	$Yes \boxtimes No \square N/A \square$ Comments:
	1.7 °C
	b. Sample preservation acceptable – acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?
	Yes \boxtimes No \square N/A \square Comments:

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c. Sample condition documented – broken, leaking (Methanol), zero headspace (VOC vials)? Yes⊠ No□ N/A□ Comments:
d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, etc.?
Yes□ No□ N/A⊠ Comments:
No discrepancies documented.
e. Data quality or usability affected?
Comments:
No.
4. Case Narrative
a. Present and understandable?
Yes⊠ No□ N/A□ Comments:
b. Discrepancies, errors, or QC failures identified by the lab?
Yes□ No⊠ N/A□ Comments:
Case narrative documents no errors or discrepancies "unless qualified or notated within report"
c. Were all corrective actions documented?
Yes \square No \square N/A \boxtimes Comments:
No corrective actions taken.
d. What is the effect on data quality/usability according to the case narrative?
Comments:
No effect on data quality/usability

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5. <u>Samples Results</u>
a. Correct analyses performed/reported as requested on COC?
Yes⊠ No□ N/A□ Comments:
b. All applicable holding times met?
Yes⊠ No□ N/A□ Comments:
DRO extracted at 14 days
c. All soils reported on a dry weight basis?
Yes□ No□ N/A⊠ Comments:
No soil samples submitted to lab.
d. Are the reported LOQs less than the Cleanup Level or the minimum required detection level for the project?
Yes No N/A Comments:
Benzene LOQ in sample RW16-1 was 0.200 mg/L, above the cleanup level of 0.0046. This could be the result of high dilution in this sample.
e. Data quality or usability affected?
Non-detection with an LOQ above GCL treated as an exceedance; other contaminants above GCLs in well suggest actual value above GCL as well.
6. QC Samples
a. Method Blank
i. One method blank reported per matrix, analysis and 20 samples?
Yes⊠ No□ N/A□ Comments:
ii. All method blank results less than limit of quantitation (LOQ) or project specified objectives?
Yes□ No⊠ N/A□ Comments:
Method blank for GRO by AK101 gave result above MDL but below RDL, method blank for DRO by AK102 gave result above RDL.

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iii. If above LOQ or project specified objectives, what samples are affected? Comments:
DRO in RW16-1, RW16-2, and the Duplicate sample
iv. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
Yes⊠ No□ N/A□ Comments:
v. Data quality or usability affected? Comments:
No; RW16-1 showed DRO concentrations well above GCL, and RW16-2 showed DRO well below the GCL.
b. Laboratory Control Sample/Duplicate (LCS/LCSD)
 i. Organics – One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)
Yes⊠ No□ N/A□ Comments:
ii. Metals/Inorganics – one LCS and one sample duplicate reported per matrix, analysis and 20 samples?
Yes⊠ No□ N/A□ Comments:
 iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)
$Yes \boxtimes No \square N/A \square$ Comments:

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iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? RPD reported from LCS/LCSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)
$Yes \boxtimes No \square N/A \square$ Comments:
v. If %R or RPD is outside of acceptable limits, what samples are affected? Comments:
N/A
vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined? Yes \square No \square N/A \boxtimes Comments:
No affected samples
vii. Data quality or usability affected? (Use comment box to explain.) Comments:
No.
 c. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Note: Leave blank if not required for project i. Organics – One MS/MSD reported per matrix, analysis and 20 samples? Yes⊠ No□ N/A□ Comments:
ii. Metals/Inorganics – one MS and one MSD reported per matrix, analysis and 20 samples?
Yes⊠ No□ N/A□ Comments:
iii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable?
Yes \square No \boxtimes N/A \square Comments:
Sodium MS/MSD recovery below limits.

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 iv. Precision – All relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? RPD reported from MS/MSD, and or sample/sample duplicate. Yes⊠ No□ N/A□ Comments:
Teses 1400 14/40 Comments.
v. If %R or RPD is outside of acceptable limits, what samples are affected? Comments:
No sodium samples are flagged as affected. The sodium MS/MSD itself is flagged with a V, meaning the sample concentration of sodium was too high to accurately evaluate spike recoveries.
vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined? Yes \square No \boxtimes N/A \square Comments:
See above.
vii. Data quality or usability affected? (Use comment box to explain.) Comments:
No, sodium is used only as a marker to evaluate the relative impact of chemox treatment.
 d. Surrogates – Organics Only or Isotope Dilution Analytes (IDA) – Isotope Dilution Methods Only i. Are surrogate/IDA recoveries reported for organic analyses – field, QC and laboratory samples? Yes□ No□ N/A⊠ Comments:
Not included.
 ii. Accuracy – All percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods 50-150 %R for field samples and 60-120 %R for QC samples; all other analyses see the laboratory report pages) Yes□ No□ N/A⊠ Comments:
Not included.
iii. Do the sample results with failed surrogate/IDA recoveries have data flags? If so, are the data flags clearly defined?
Yes□ No□ N/A⊠ Comments:
Not included.

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Speedway 3323 (Politici 120W #32)
iv. Data quality or usability affected? Comments:
No affected samples.
e. Trip Blanks
 i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)
$Yes \boxtimes No \square N/A \square$ Comments:
 ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below) Yes⊠ No□ N/A□ Comments:
iii. All results less than LOQ and project specified objectives?
Yes \boxtimes No \square N/A \square Comments:
iv. If above LOQ or project specified objectives, what samples are affected? Comments:
No affected samples.
v. Data quality or usability affected? Comments:
No affected samples.
f. Field Duplicate
i. One field duplicate submitted per matrix, analysis and 10 project samples?
$Yes \boxtimes No \square N/A \square$ Comments:

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ii. Submitted blind to lab?
$Yes \boxtimes No \square N/A \square$ Comments:
iii. Precision – All relative percent differences (RPD) less than specified project objectives? (Recommended: 30% water, 50% soil) RPD (%) = Absolute value of: $\frac{(R_1-R_2)}{((R_1+R_2)/2)} \times 100$
Where $R_1 = $ Sample Concentration $R_2 = $ Field Duplicate Concentration
Yes⊠ No□ N/A□ Comments:
iv. Data quality or usability affected? (Use the comment box to explain why or why not.) Comments:
No.
g. Decontamination or Equipment Blank (If not applicable, a comment stating why must be entered below)?
Yes \square No \square N/A \boxtimes Comments:
All disposable equipment.
i. All results less than LOQ and project specified objectives?Yes□ No□ N/A⊠ Comments:
All disposable equipment.
ii. If above LOQ or project specified objectives, what samples are affected? Comments:
None.
iii. Data quality or usability affected? Comments:
No.

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7.	Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)
	a. Defined and appropriate?
	Yes⊠ No□ N/A□ Comments: