

April 5, 2024

Project No. GL20409062.000

Gerald F. Wick, P.G.

Texas Commission on Environmental Quality Industrial & Hazardous Waste Permits Section Waste Permits Division MQ-130 12100 Park 35 Circle Austin, Texas 78753

# RE: AIR MONITORING RESULTS – MARCH 21, 2024/MARCH 27, 2024 AFFECTED PROPERTY 5 EXCAVATION FRISCO COMMUNITY DEVELOPMENT CORPORATION, 7471 OLD FIFTH ST, FRISCO, TEXAS TCEQ SWR NO. 30516, CN600129779, RN100218643 TCEQ HAZARDOUS WASTE PERMIT NO. 50206

DEAR MR. WICK:

WSP USA Inc. (WSP) on behalf of the Frisco Community Development Corporation (FCDC) has prepared this Summary of air monitoring results from March 21<sup>st</sup> to March 27<sup>th</sup>, 2024, for the Affected Property 5 Soil Excavation and Wastewater Treatment Demolition performed for the Frisco Community Development Site (FCDS) located at 7471 Old Fifth St, Frisco, Texas (Site).

Dust suppression measures were implemented during soil excavation activities. Air quality was monitored during all potential dust generating activities as specified by the Air Monitoring Plan utilizing E-Samplers. Air monitoring included upwind (direction from which wind is blowing) and downwind (direction wind is blowing) real-time measurements of wind speed, wind direction and particulate matter at the perimeter of the FOP/RCA soil management area. Dust generating activities were conducted on March 21<sup>st</sup>, 22<sup>nd</sup>, 23<sup>rd</sup>, 25<sup>th</sup>, 26<sup>th</sup>, and 27<sup>th</sup> during this period. Some increases in particulate matter concentrations were noted in this period on March 22<sup>nd</sup> and 25<sup>th</sup> due to the proximity of the E-samplers to the wastewater treatment plant demolition. All particulate matter concentrations in this time period remained below the Take Action and Stop Work levels. In addition to the real-time air monitoring, air samples were collected for laboratory analysis on March 21<sup>st</sup>, 25<sup>th</sup>, 26<sup>th</sup>, and 27<sup>th</sup> of both lead and cadmium as described in the Air Monitoring Plan using high volume (10 liters per minute [L/min]) particulate matter air samplers. Some detections of lead were present in samples collected in this time period, however lead and cadmium concentrations remained below the Stop Work limits.

Review of air monitoring results, indicate that no real-time particulate concentrations or laboratory analytical results exceeded Take Action or Stop Work Levels, respectively. **Table 1** provides a summary of laboratory analytical air monitoring data collected during this reporting period. Real-time air monitoring Daily Summary

T: +1 (737) 703-3900

Reports are included as Attachment A. A laboratory analytical report and Data Usability Summary (DUS) are included as Attachment B.

Please do not hesitate to call should you have any questions regarding this summary report.

Sincerely, WSP USA, Inc.

CC:

the

Catherine Mear, GIT Environmental Scientist, Consultant

Timothy P. Jennings, PG (TX) Assistant Vice President, Geologist

TCEQ Austin – 1 electronic copy TCEQ Region 4 – 1 electronic copy Wes Pierson – Frisco City Manager (City of Frisco) – 1 electronic copy Mack Borchardt – Special Assistant to the City Manager – City of Frisco – 1 electronic copy Jason Brodigan –Director of Engineering Services (City of Frisco) – 1 electronic copy Brad Weaver – City of Frisco – 1 electronic copy

TABLE



# TABLE 1SUMMARY OF AIR MONITORING LABORATORY ANALYTICAL RESULTSMarch 21, 2024 - March 27, 2024

## Frisco CDC Site Frisco, Texas IHW Permit No. 50206

Sample ID <sup>1</sup>	Date	Cadmium <sup>2</sup>	Lead <sup>2</sup>			
Sumple is	2410	mg	/m³			
FOPR240304DW827		<0.000041	<0.000027			
FOPR240304DW659		<0.0000044	<0.00029			
FOPR240304UW915	3/21/2024	<0.0000041	0.000027 J			
FOPR240304DW917	i f	<0.0000041	<0.000027			
FOPR240304DW916		<0.0000041	<0.00028			
FOPR240325UW827		<0.000043	0.000041 J			
FOPR240325DW659		<0.000045	<0.00003			
FOPR240325DW915	3/25/2024	<0.0000042	<0.00028			
FOPR240325DW917		<0.0000043	<0.000029			
FOPR240325DW916		<0.0000042	<0.00028			
FOPR240326DW827		<0.0000043	0.00028			
FOPR240326DW659		<0.0000043	<0.00029			
FOPR240326DW915	3/26/2024	<0.0000043	0.000082 J			
FOPR240326DW917		<0.0000042				
FOPR240326DW916		<0.0000042	<0.00028			
FOPR240327DW827		<0.000046	<0.000030			
FOPR240327DW659		<0.000045	<0.000030			
FOPR240327DW915	3/27/2024	<0.000046	<0.000031			
FOPR240327DW917		<0.0000044	<0.000029			
FOPR240327DW916		<0.000045	0.00013			
Stop Work Level - 60 mir	nute average <sup>3</sup>	0.0001	0.00107			

#### Notes:

<sup>1</sup>Samples collected by Remediation Services, Inc. and analyzed by ALS Environmental in Salt Lake City, Utah.

<sup>2</sup>Cadmium and lead analyzed via NIOSH Method 7300 Mod., MCE.

<sup>3</sup>Particulate matter take acton and stop work levels for cadmium and lead as detailed in the Former Operating Plant Air Monitoring Plan, April 2023, prepared by WSP USA, Inc.

J - The reported value is an estimate.

Bold analytical results indicate sample detections.

Analytical results reported in milligrams per cubic meter  $(mg/m^3)$ .

# **ATTACHMENT A**

**Air Monitoring Summary Reports** 

# Daily Summary Report Table (30-Min Average Values)

# Real-Time Perimeter Particulate (PM-10) Monitoring Data



Frisco CDC - Frisco, TX

3/21/2024

Time Interval (30-min)	Station 1 (C15983-2) (mg/m3)	Station 2 (U15963) (mg/m3)	Station 3 (T19915) (mg/m3)	Station 4 (T19917) (mg/m3)	Station 5 (T19916) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29						167	7.0
06:30-06:59	0.002			0.001	0.003	158	6.6
07:00-07:29	0.003	0.003	0.002	0.002	0.004	144	8.0
07:30-07:59	0.003	0.003	0.003	0.000	0.004	149	6.9
08:00-08:29	0.003	0.003	0.003	0.003	0.003	145	6.9
08:30-08:59	0.003	0.004	0.003	0.004	0.003	147	5.0
09:00-09:29	0.004	0.004	0.004	0.005	0.004	141	4.6
09:30-09:59	0.004	0.004	0.004	0.004	0.004	154	6.7
10:00-10:29	0.004	0.004	0.004	0.005	0.004	151	7.5
10:30-10:59	0.004	0.005	0.004	0.005	0.005	155	8.6
11:00-11:29	0.004	0.004	0.004	0.005	0.004	159	8.8
11:30-11:59	0.005	0.004	0.005	0.003	0.005	161	8.0
12:00-12:29	0.005	0.006	0.006	0.006	0.006	158	8.3
12:30-12:59	0.005	0.006	0.006	0.010	0.005	151	7.8
13:00-13:29	0.007	0.007	0.007	0.006	0.007	146	9.2
13:30-13:59	0.006	0.006	0.006	0.003	0.007	167	8.4
14:00-14:29	0.006	0.006	0.006	0.006	0.007	157	6.9
14:30-14:59	0.007	0.007	0.006	0.008	0.008	149	7.3
15:00-15:29	0.005	0.005	0.005	0.004	0.005	144	8.9
15:30-15:59	0.003	0.003	0.003	0.001	0.003	134	9.4
16:00-16:29	0.002	0.001	0.002	0.004	0.002	133	10.2
16:30-16:59	0.000	0.000	0.000	0.003	0.000	138	10.7
17:00-17:29			0.000		0.001	134	11.6
17:30-17:59						135	10.8
18:00-18:29						128	9.5
18:30-18:59						175	5.8
Daily Average	0.004	0.004	0.004	0.004	0.004	152	8.1

Notes:

- Blank data records indicate no data is available for that interval

- Average Wind Direction calculated with unit vector averaging method

# **Daily Summary Report Graph**

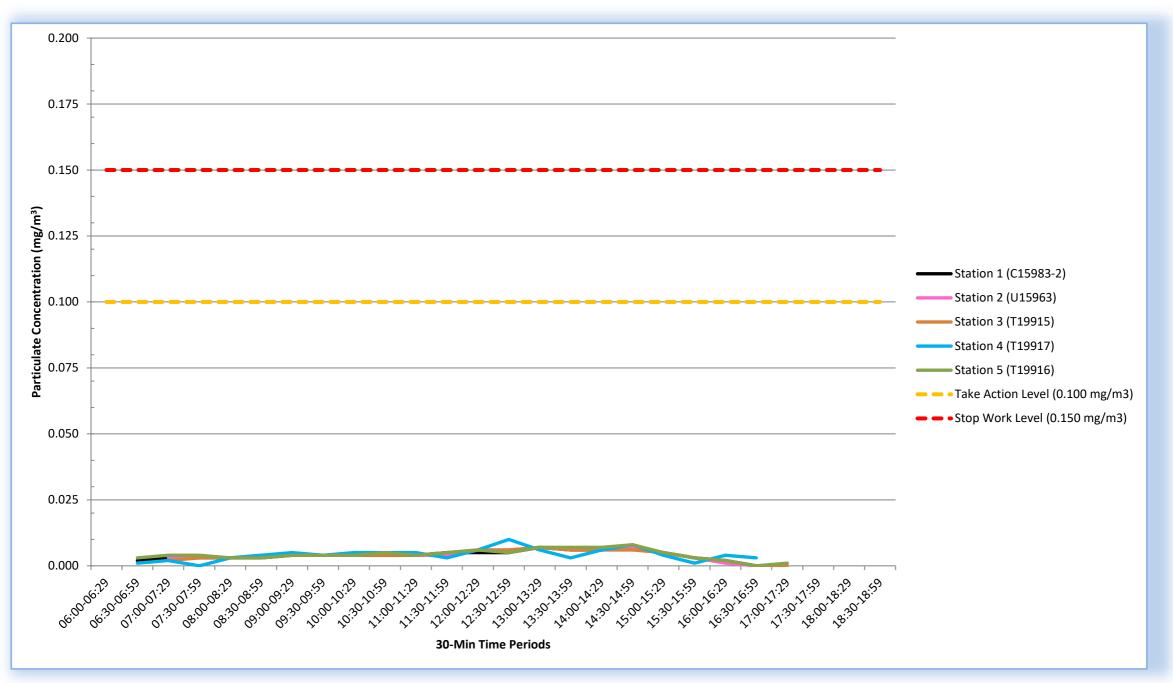
(30-Min Average Values)

Field Data

Real-Time Perimeter Particulate (PM-10) Monitoring Data

Frisco CDC - Frisco, TX

3/21/2024



# Daily Summary Report Table (30-Min Average Values)

# Real-Time Perimeter Particulate (PM-10) Monitoring Data



Frisco CDC - Frisco, TX

3/22/2024

Time Interval (30-min)	Station 1 (C15983-2) (mg/m3)	Station 2 (U15963) (mg/m3)	Station 3 (T19915) (mg/m3)	Station 4 (T19917) (mg/m3)	Station 5 (T19916) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29						340	1.2
06:30-06:59		0.008	0.007		0.009	303	1.7
07:00-07:29	0.013	0.016	0.017	0.014	0.016	298	2.1
07:30-07:59	0.019	0.018	0.018	0.005	0.017	293	2.6
08:00-08:29	0.021	0.023	0.021	0.017	0.020	330	3.2
08:30-08:59	0.025	0.026	0.023	0.021	0.024	320	3.1
09:00-09:29	0.024	0.025	0.022	0.022	0.023	338	3.0
09:30-09:59	0.010	0.010	0.009	0.009	0.011	341	4.4
10:00-10:29	0.004	0.004	0.003	0.003	0.005	342	4.6
10:30-10:59	0.002	0.002	0.001	0.001	0.001	348	4.6
11:00-11:29	0.002	0.001	0.001	0.000	0.001	337	5.7
11:30-11:59	0.001	0.002	0.001	0.000	0.002	345	6.1
12:00-12:29	0.002	0.001	0.002	0.000	0.003	341	6.2
12:30-12:59	0.001	0.001	0.002	0.000	0.004	346	6.8
13:00-13:29	0.002	0.002	0.001	0.001	0.004	356	5.7
13:30-13:59	0.002	0.002	0.001	0.001	0.002	340	6.7
14:00-14:29	0.001	0.001	0.001	0.001	0.001	345	7.5
14:30-14:59	0.001	0.000	0.001	0.000	0.000	350	9.6
15:00-15:29	0.001	0.000	0.001	0.001	0.001	359	9.1
15:30-15:59	0.001	0.001	0.001	0.000	0.002	345	8.2
16:00-16:29	0.001	0.001	0.001	0.000	0.002	351	8.2
16:30-16:59	0.001	0.001	0.001	0.000	0.003	346	9.1
17:00-17:29			0.001	0.001		344	8.6
17:30-17:59						344	8.0
18:00-18:29						338	7.4
18:30-18:59						351	6.4
Daily Average	0.007	0.007	0.006	0.005	0.007	342	5.8

Notes:

- Blank data records indicate no data is available for that interval

- Average Wind Direction calculated with unit vector averaging method

# **Daily Summary Report Graph**

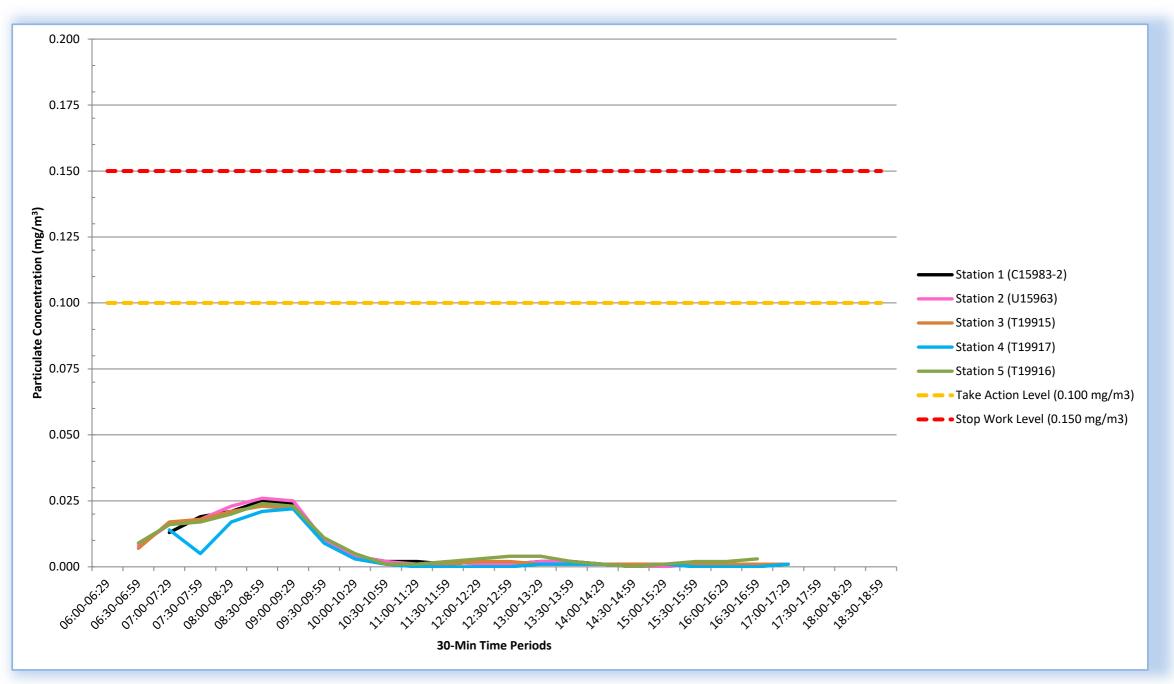
(30-Min Average Values)

Field Data

Real-Time Perimeter Particulate (PM-10) Monitoring Data

Frisco CDC - Frisco, TX

3/22/2024



# Daily Summary Report Table (30-Min Average Values)

# Real-Time Perimeter Particulate (PM-10) Monitoring Data



Frisco CDC - Frisco, TX

3/23/2024

Time Interval (30-min)	Station 1 (C15983-2) (mg/m3)	Station 2 (U15963) (mg/m3)	Station 3 (T19915) (mg/m3)	Station 4 (T19917) (mg/m3)	Station 5 (T19916) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29						5	5.7
06:30-06:59	0.004	0.004	0.004	0.004	0.003	10	6.3
07:00-07:29	0.006	0.006	0.006	0.005	0.004	16	5.4
07:30-07:59	0.007	0.007	0.006	0.006	0.002	24	5.7
08:00-08:29	0.008	0.008	0.007	0.007	0.006	22	4.6
08:30-08:59	0.009	0.009	0.007	0.008	0.010	9	5.2
09:00-09:29	0.010	0.010	0.008	0.007	0.008	1	4.3
09:30-09:59	0.010	0.011	0.010	0.007	0.006	332	4.4
10:00-10:29	0.010	0.010	0.010	0.007	0.009	351	4.5
10:30-10:59	0.010	0.011	0.009	0.006	0.012	355	4.1
11:00-11:29	0.010	0.010	0.009	0.009	0.011	30	4.0
11:30-11:59	0.009	0.009	0.009	0.007	0.012	45	3.5
12:00-12:29	0.009	0.009	0.008	0.008	0.010	56	3.2
12:30-12:59	0.008	0.008	0.008	0.006	0.010	64	1.7
13:00-13:29	0.008	0.008	0.009	0.008	0.009	185	2.5
13:30-13:59	0.009	0.009	0.009	0.009	0.007	141	2.0
14:00-14:29	0.010	0.009	0.009	0.011	0.009	184	2.3
14:30-14:59	0.009	0.009	0.009	0.013	0.008	179	2.5
15:00-15:29				0.012		162	4.2
15:30-15:59						164	4.9
16:00-16:29						233	4.6
16:30-16:59						252	3.4
17:00-17:29						218	2.8
17:30-17:59						155	2.4
18:00-18:29						125	7.3
18:30-18:59						121	8.8
Daily Average	0.009	0.009	0.008	0.008	0.008	71	4.3

Notes:

- Blank data records indicate no data is available for that interval

- Average Wind Direction calculated with unit vector averaging method

# **Daily Summary Report Graph**

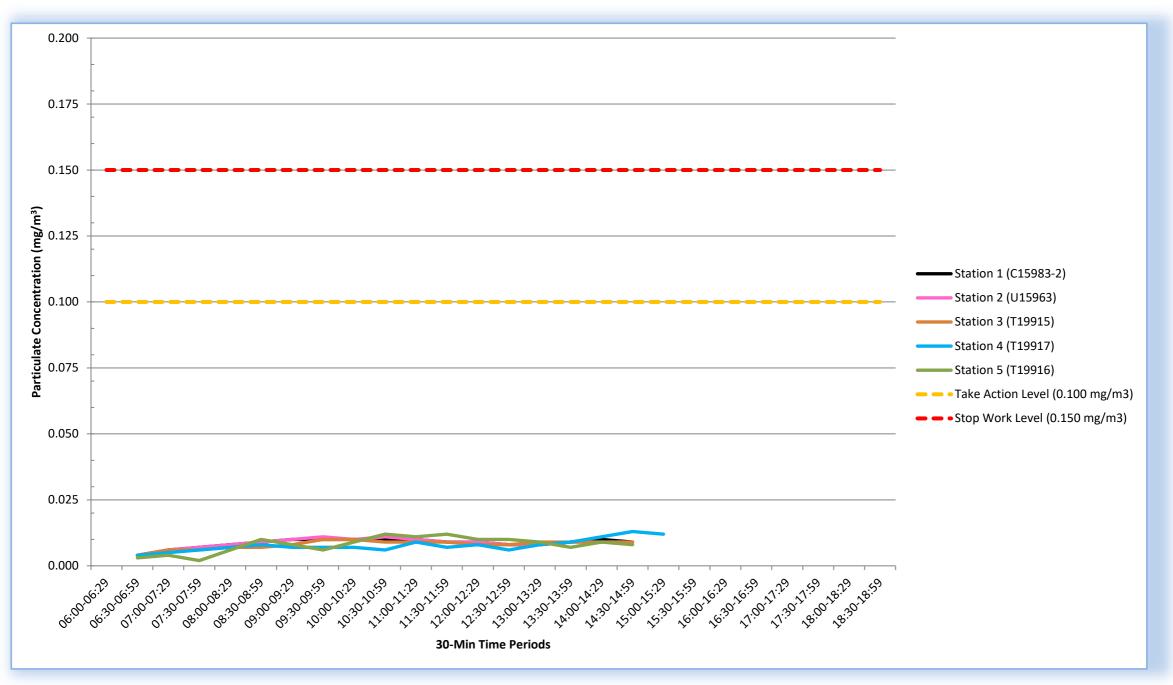
(30-Min Average Values)

Field Data

Real-Time Perimeter Particulate (PM-10) Monitoring Data

Frisco CDC - Frisco, TX

3/23/2024



# Daily Summary Report Table (30-Min Average Values)

# Real-Time Perimeter Particulate (PM-10) Monitoring Data



Frisco CDC - Frisco, TX

3/25/2024

Time Interval (30-min)	Station 1 (C15983-2) (mg/m3)	Station 2 (U15963) (mg/m3)	Station 3 (T19915) (mg/m3)	Station 4 (T19917) (mg/m3)	Station 5 (T19916) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29			0.000			150	7.9
06:30-06:59	0.005		0.006	0.003	0.006	149	9.6
07:00-07:29	0.008	0.006	0.009	0.007	0.008	138	5.6
07:30-07:59	0.010	0.009	0.010	0.006	0.006	143	7.5
08:00-08:29	0.012	0.011	0.013	0.012	0.011	169	5.9
08:30-08:59	0.011	0.011	0.011	0.011	0.013	142	6.2
09:00-09:29	0.011	0.012	0.012	0.015	0.013	142	4.5
09:30-09:59	0.013	0.013	0.014	0.017	0.014	232	3.7
10:00-10:29	0.014	0.014	0.015	0.017	0.014	210	5.2
10:30-10:59	0.015	0.016	0.017	0.020	0.015	190	6.3
11:00-11:29	0.017	0.017	0.019	0.022	0.020	163	5.6
11:30-11:59	0.018	0.017	0.019	0.021	0.019	154	6.9
12:00-12:29	0.016	0.018	0.017	0.018	0.016	162	8.0
12:30-12:59	0.015	0.015	0.017	0.016	0.014	162	8.3
13:00-13:29	0.015	0.015	0.017	0.018	0.017	158	9.6
13:30-13:59	0.014	0.014	0.015	0.017	0.017	178	10.4
14:00-14:29	0.013	0.013	0.015	0.016	0.014	181	10.7
14:30-14:59	0.014	0.014	0.015	0.016	0.013	189	10.8
15:00-15:29	0.014	0.013	0.015	0.014	0.013	197	9.4
15:30-15:59	0.010	0.010	0.011	0.012	0.009	239	9.0
16:00-16:29	0.003	0.004	0.004	0.003	0.004	257	14.7
16:30-16:59	0.002	0.003	0.004	0.001	0.003	301	15.5
17:00-17:29	0.002	0.002	0.003	0.003		308	13.6
17:30-17:59				0.005		306	14.1
18:00-18:29				0.003		304	13.1
18:30-18:59				0.004		306	13.7
Daily Average	0.011	0.012	0.012	0.012	0.012	232	9.1

#### Notes:

- Blank data records indicate no data is available for that interval

- Average Wind Direction calculated with unit vector averaging method

# **Daily Summary Report Graph**

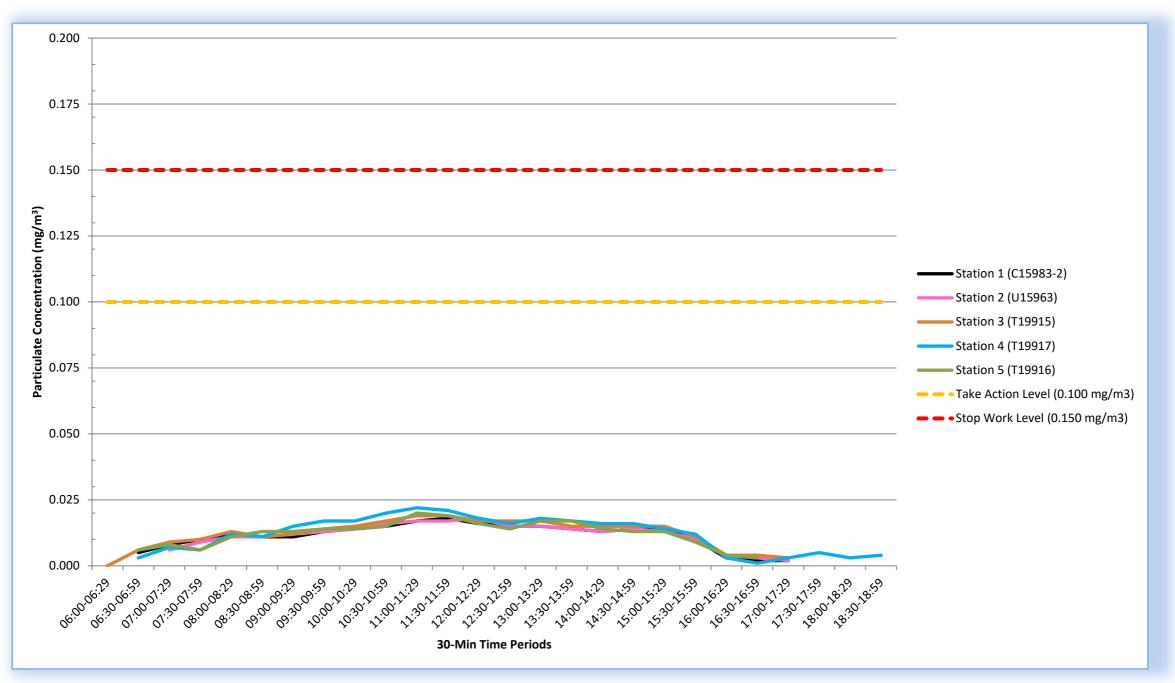
(30-Min Average Values)

Field Data

Real-Time Perimeter Particulate (PM-10) Monitoring Data

Frisco CDC - Frisco, TX

3/25/2024



# Daily Summary Report Table (30-Min Average Values)

# Real-Time Perimeter Particulate (PM-10) Monitoring Data



Frisco CDC - Frisco, TX

3/26/2024

Time Interval (30-min)	Station 1 (C15983-2) (mg/m3)	Station 2 (U15963) (mg/m3)	Station 3 (T19915) (mg/m3)	Station 4 (T19917) (mg/m3)	Station 5 (T19916) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29				0.001		299	9.1
06:30-06:59	0.001	0.002	0.001	0.002	0.001	301	8.5
07:00-07:29	0.002	0.001	0.002	0.001	0.003	296	7.3
07:30-07:59	0.003	0.002	0.002	0.001	0.004	300	6.5
08:00-08:29	0.005	0.002	0.002	0.002	0.004	301	7.7
08:30-08:59	0.003	0.002	0.002	0.002	0.003	294	8.2
09:00-09:29	0.003	0.002	0.003	0.003	0.002	301	9.7
09:30-09:59	0.002	0.003	0.003	0.001	0.002	308	8.7
10:00-10:29	0.003	0.002	0.002	0.001	0.001	313	7.7
10:30-10:59	0.002	0.002	0.003	0.000	0.000	308	7.2
11:00-11:29	0.002	0.001	0.002	0.001	0.002	311	6.3
11:30-11:59	0.002	0.001	0.002	0.000	0.002	308	6.7
12:00-12:29	0.002	0.001	0.002	0.001	0.002	316	6.5
12:30-12:59	0.002	0.001	0.002	0.000	0.002	312	7.2
13:00-13:29	0.002	0.001	0.002	0.001	0.002	304	7.7
13:30-13:59	0.002	0.001	0.002	0.000	0.002	311	7.6
14:00-14:29	0.001	0.001	0.001	0.001	0.001	308	7.1
14:30-14:59	0.001	0.001	0.001	0.000	0.000	306	6.4
15:00-15:29	0.002	0.001	0.001	0.001	0.001	311	7.1
15:30-15:59	0.001	0.000	0.001	0.000	0.003	319	6.0
16:00-16:29	0.001	0.001	0.001	0.001	0.001	320	5.0
16:30-16:59	0.001	0.001	0.001	0.001	0.000	320	4.4
17:00-17:29						284	5.6
17:30-17:59						274	4.0
18:00-18:29						320	3.0
18:30-18:59						327	4.6
Daily Average	0.002	0.001	0.002	0.001	0.002	305	6.8

Notes:

- Blank data records indicate no data is available for that interval

- Average Wind Direction calculated with unit vector averaging method

# **Daily Summary Report Graph**

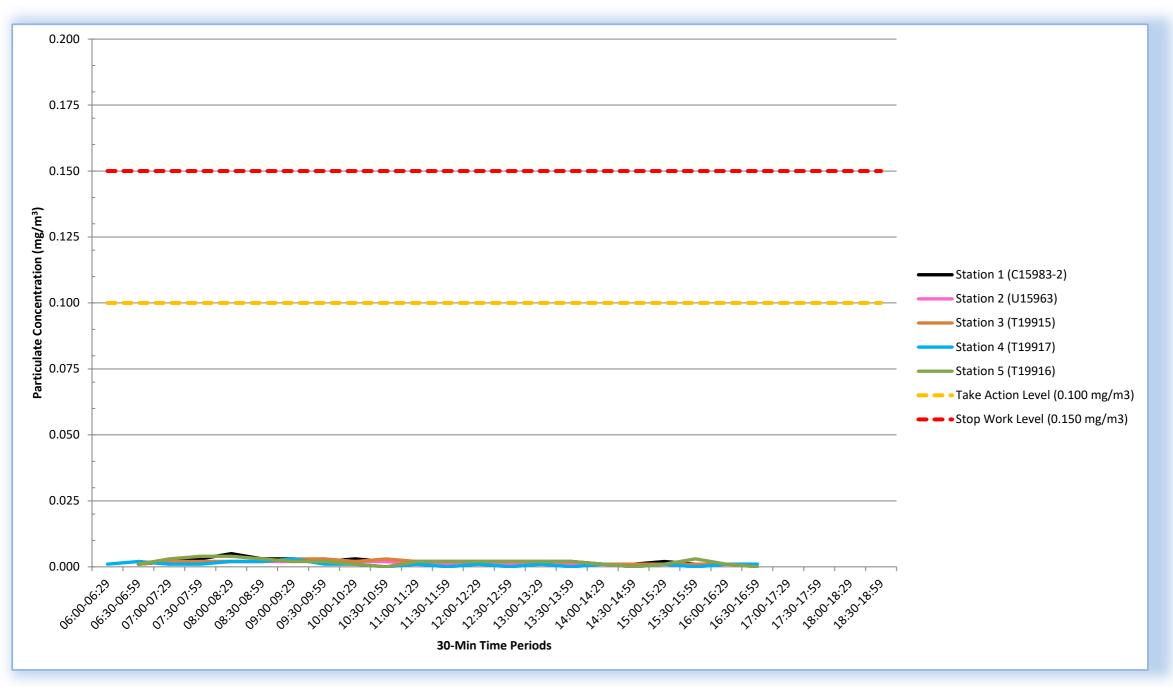
(30-Min Average Values)

Field Data

Real-Time Perimeter Particulate (PM-10) Monitoring Data

Frisco CDC - Frisco, TX

3/26/2024



# Daily Summary Report Table (30-Min Average Values)

# Real-Time Perimeter Particulate (PM-10) Monitoring Data



Frisco CDC - Frisco, TX

3/27/2024

Time Interval (30-min)	Station 1 (C15983-2) (mg/m3)	Station 2 (U15963) (mg/m3)	Station 3 (T19915) (mg/m3)	Station 4 (T19917) (mg/m3)	Station 5 (T19916) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29						78	2.1
06:30-06:59	0.001	0.001	0.001		0.001	93	3.3
07:00-07:29	0.002	0.002	0.002	0.001	0.001	84	3.6
07:30-07:59	0.001	0.001	0.002	0.001	0.003	65	1.9
08:00-08:29	0.002	0.002	0.002	0.000	0.002	68	2.8
08:30-08:59	0.002	0.002	0.002	0.002	0.001	108	3.5
09:00-09:29	0.001	0.002	0.001	0.003	0.000	101	5.2
09:30-09:59	0.001	0.001	0.001	0.001	0.000	114	6.9
10:00-10:29	0.001	0.001	0.001	0.000	0.002	118	8.1
10:30-10:59	0.001	0.001	0.001	0.000	0.004	123	5.9
11:00-11:29	0.001	0.001	0.001	0.001	0.002	121	6.4
11:30-11:59	0.001	0.001	0.001	0.003	0.002	121	5.7
12:00-12:29	0.001	0.001	0.001	0.001	0.001	105	5.9
12:30-12:59	0.001	0.001	0.001	0.003	0.000	84	5.1
13:00-13:29	0.001	0.001	0.001	0.002	0.000	105	4.2
13:30-13:59	0.001	0.001	0.001	0.001	0.000	124	3.8
14:00-14:29	0.001	0.001	0.001	0.006	0.000	78	5.2
14:30-14:59	0.001	0.001	0.001	0.002	0.001	93	4.4
15:00-15:29	0.001	0.001	0.001	0.008	0.001	110	5.6
15:30-15:59	0.001	0.001	0.001	0.004	0.001	85	4.0
16:00-16:29	0.001	0.001	0.001	0.001	0.001	108	3.6
16:30-16:59	0.001	0.001	0.001	0.002	0.003	129	2.9
17:00-17:29						99	2.9
17:30-17:59						69	3.1
18:00-18:29						69	4.8
18:30-18:59						63	6.3
Daily Average	0.001	0.001	0.001	0.002	0.001	84	4.5

Notes:

- Blank data records indicate no data is available for that interval

- Average Wind Direction calculated with unit vector averaging method

# **Daily Summary Report Graph**

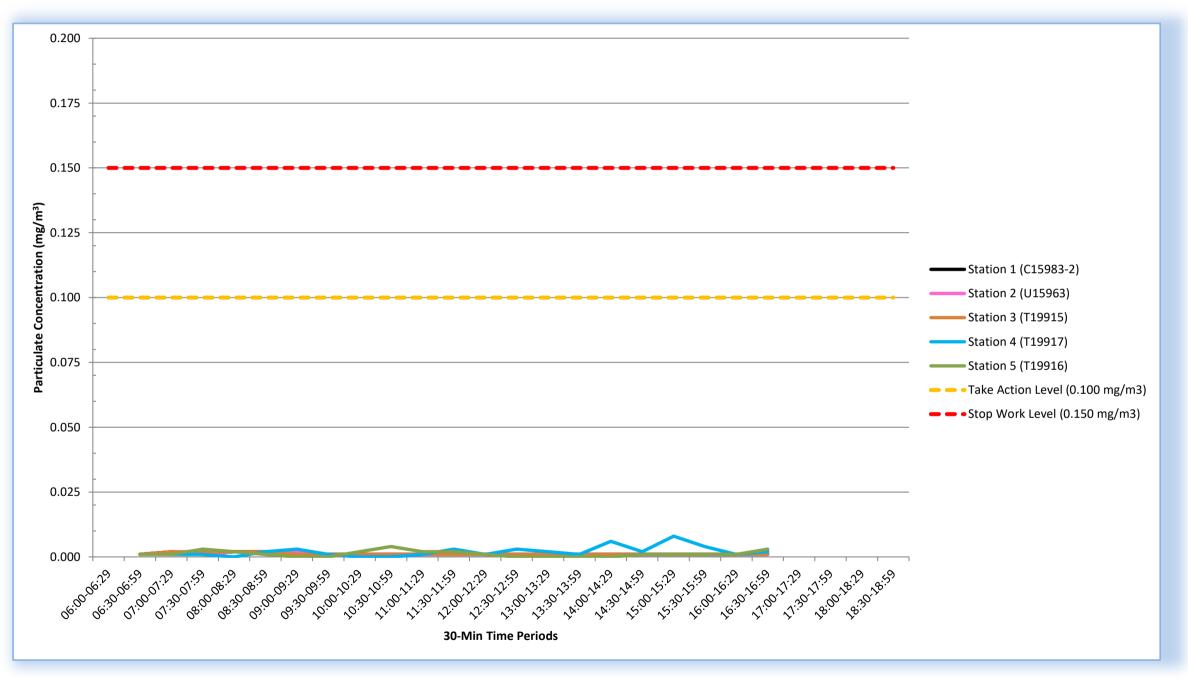


(30-Min Average Values)

Real-Time Perimeter Particulate (PM-10) Monitoring Data

Frisco CDC - Frisco, TX

3/27/2024



# **ATTACHMENT B**

Air Monitoring Laboratory Analytical Reports and Data Usability Summary

# **Data Usability Summary**

To:	Catherine Mear	Date:	April 3, 2024
From:	William Stursberg	File:	Frisco 2024.03.21.24-03.27.24 Air Monitoring DUS
RE:	Review of March Air Monitoring Data	CC:	

WSP USA Inc (WSP) reviewed four laboratory report from ALS Environmental (Salt Lake City, Utah) providing the analytical results for air monitoring samples collected March 21, 25, 26, and 27, 2024 from the Frisco Community Development Site. Quality control (QC) data were reviewed as described in RG-366/TRRP-13 (Review and Reporting of COC Concentration Data under TRRP, May 2010). The results of the review are discussed in this memorandum. Data were collected to evaluate the potential off-site exposure during remediation activities to chemicals of concern (COC).

Samples were analyzed for cadmium and lead using the analytical method listed below.

• NIOSH 7300 Mod., MCE - Elements by ICP

TCEQ does not offer accreditation for National Institute of Occupational Safety and Health (NIOSH) analytical methods. ALS is accredited by the American Industrial Hygiene Association (AIHA) for the analysis of elements by inductively coupled plasma (ICP) (Certificate 101574). Table 1 lists the sample identifications cross-referenced to laboratory identifications and the analyses performed for each sample. No data are qualified due to exceedances of QC criteria.

## **QUALITY CONTROL RESULTS**

Field and laboratory blank concentrations and laboratory control sample precision and accuracy results were evaluated from data presented in the QC section of the laboratory report.

#### PRESERVATION AND HOLDING TIMES

There are no preservation or holding time requirements for NIOSH 7300.

#### CALIBRATIONS

No calibration data were provided in the laboratory report.

#### BLANKS

No analytes were detected in field or laboratory blanks.

## LABORATORY CONTROL SAMPLES

Laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) (if analyzed) recoveries were within the laboratory acceptance criteria of 89.8 to 111 percent recovery (%R) for cadmium and 92.5 to 112.9 %R for lead. LCS/LCSD precision (as relative percent difference [RPD]) was less than the laboratory acceptance criteria of 15 RPD.

#### MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Matrix spike/matrix spike duplicate (MS/MSD) analyses are not applicable to the method.

## FIELD PRECISION

Field duplicate (as co-located) samples were not collected.

## SUMMARY

Data are usable for determining concentrations of cadmium and lead in air samples. No data were qualified by the reviewer. Note that the laboratory uses "()" to denote concentrations between the limit of detection (sample detection limit) and the limit of quantitation (method quantitation limit). This data should be considered as estimated (J).

Field Identification	Laboratory Identification	Cadmium/Lead	Comment
FOPR240304DW827	2408313001	Х	
FOPR240304DW659	2408313002	х	
FOPR240304UW915	2408313003	х	
FOPR240304DW917	2408313004	х	
FOPR240304DW916	2408313005	Х	
FOPR240325UW827	2408638001	Х	
FOPR240325DW659	2408638002	Х	
FOPR240325DW915	2408638003	Х	
FOPR240325DW917	2408638004	Х	
FOPR240325DW916	2408638005	Х	
FOPR240325 FB	2408638006	Х	Field Blank
FOPR240326DW827	2408736001	Х	
FOPR240326DW659	2408736002	Х	
FOPR240326DW915	2408736003	Х	
FOPR240326DW917	2408736004	Х	
FOPR240326DW916	2408736005	Х	
FOPR240327DW827	2408833001	Х	
FOPR240327DW659	2408833002	Х	
FOPR240327DW915	2408833003	Х	
FOPR240327DW917	2408833004	Х	
FOPR240327DW916	2408833005	Х	

Table 1 Cross-Reference Field Sample Identifications and Laboratory Identifications



Report Date: March 27, 2024

Phone: (620) 331-1200 Fax: (620) 331-6216 E-mail: gsherwood@rsi-ks.com

Workorder: 34-2408313

Client Project ID: Frisco Development Corporation Purchase Order: 22071 / 22382 Project Manager: Jessica Cofrancesco

## **Analytical Results**

Grant Sherwood

P.O. Box 587

Remediation Services, Inc.

2735 South 10th Street Independence, KS 67301

Sample ID: FOPR240304DW827 Lab ID: 2408313001		Location: Soil Reme	ediation		d: 03/21/2024 d: 03/22/2024
Method: NIOSH 7300 Mod., MCE Dilution: 1		Media: MCE Filter Sampling Parameter: Air Volume 5457 L			13 5/2024 (316010) 6/2024 (316084)
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	< 0.023	<0.0041	0.023	0.075	
Lead	<0.15	<0.027	0.15	0.50	

Sample ID: FOPR240304DW65 Lab ID: 2408313002		Location: Soil Reme	ediation		ed: 03/21/2024 ed: 03/22/2024
Method: NIOSH 7300 Mod., MCE Dilution: 1		13 25/2024 (316010) 26/2024 (316084)			
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	<0.0044	0.023	0.075	
Lead	<0.15	<0.029	0.15	0.50	

Sample ID: FOPR240304UW915 Lab ID: 2408313003		Location: Soil Reme	ediation		ed: 03/21/2024 ed: 03/22/2024
Method: NIOSH 7300 Mod., MCE Dilution: 1		edia: MCE Filter eter: Air Volume 5464	L		13 25/2024 (316010) 26/2024 (316084)
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	<0.0041	0.023	0.075	
Lead	(0.15)	(0.027)	0.15	0.50	

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Wed, 03/27/24 12:25 PM



# Workorder: 34-2408313

Client Project ID: Frisco Development Corporation Purchase Order: 22071 / 22382 Project Manager: Jessica Cofrancesco

### **Analytical Results**

Sample ID: FOPR240304DW917 Lab ID: 2408313004		Location: Soil Reme	ediation		1: 03/21/2024 1: 03/22/2024
Method: NIOSH 7300 Mod., MCE Dilution: 1		edia: MCE Filter eter: Air Volume 5468	L	Instrument: ICP1 Prepared: 03/25 Analyzed: 03/26	5/2024 (316010)
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	<0.0041	0.023	0.075	
Lead	<0.15	<0.027	0.15	0.50	

Sample ID: FOPR240304DW916 Lab ID: 2408313005		g Location: Soil Reme	ediation		d: 03/21/2024 d: 03/22/2024
Method: NIOSH 7300 Mod., MCE Dilution: 1		edia: MCE Filter neter: Air Volume 5427	L		13 25/2024 (316010) 26/2024 (316084)
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	<0.0041	0.023	0.075	
Lead	<0.15	<0.028	0.15	0.50	

#### **Report Authorization** (/S/ is an electronic signature that complies with 21 CFR Part 11)

Method (Analysis Batch)	Analyst	Peer Review
NIOSH 7300 Mod., MCE (316084)	/S/ Ethan Hamilton 03/27/2024 09:39	/S/ Kristie F. Bitner
	03/21/2024 09.39	03/27/2024 12:24

## Laboratory Contact Information

ALS Environmental	Phone: (801) 266-7700
960 W Levoy Drive	Email: alslt.lab@ALSGlobal.com
Salt Lake City, Utah 84123	Web: www.alsglobal.com/slt



## Workorder: 34-2408313

Client Project ID: Frisco Development Corporation Purchase Order: 22071 / 22382 Project Manager: Jessica Cofrancesco

### **General Lab Comments**

The results provided in this report relate only to the items tested. Samples were received in acceptable condition unless otherwise noted. The following was provided by the client: Sample ID, Collection Date, Sampling Location, Media Type, Sampling Parameter. Collection Date, Media Type, and Sampling Parameter can potentially affect the validity of the results. Samples have not been blank corrected unless otherwise noted. This test report shall not be reproduced, except in full, without written approval of ALS.

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Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP)	101574	http://www.aihaaccreditedlabs.org
	DOECAP-AP	L24-29	http://www.pjlabs.com
	Washington	C596	https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Lab oratory-Accreditation

#### Definitions

LOD = Limit of Detection = MDL = Method Detection Limit, A statistical estimate of method/media/instrument sensitivity.

- LOQ = Limit of Quantitation = RL = Reporting Limit, A verified value of method/media/instrument sensitivity.
- ND = Not Detected, Testing result not detected above the LOD or LOQ.
- NA = Not Applicable.

\*\* No result could be reported, see sample comments for details.

< Means this testing result is less than the numerical value.

() This testing result is between the LOD and LOQ and has higher analytical uncertainty than values at or above the LOQ.



Report Date: March 29, 2024

Phone: (620) 331-1200 Fax: (620) 331-6216 E-mail: gsherwood@rsi-ks.com

## Workorder: 34-2408638

Client Project ID: Frisco Development Corporation Purchase Order: 22382 Project Manager: Jessica Cofrancesco

### **Analytical Results**

Grant Sherwood

P.O. Box 587

Remediation Services, Inc.

2735 South 10th Street Independence, KS 67301

Sample ID: FOPR240325UW827 Lab ID: 2408638001		Location: Soil Reme	ediation		d: 03/25/2024 d: 03/26/2024
Method: NIOSH 7300 Mod., MCE Dilution: 1		dia: MCE Filter eter: Air Volume 5248	L		14 7/2024 (316105) 9/2024 (316203)
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	<0.0043	0.023	0.075	
Lead	(0.22)	(0.041)	0.15	0.50	

Sample ID: FOPR240325DW659 Lab ID: 2408638002		g Location: Soil Reme	ediation		ed: 03/25/2024 ed: 03/26/2024
Method: NIOSH 7300 Mod., MCE Dilution: 1		edia: MCE Filter neter: Air Volume 4958	L		14 27/2024 (316105) 29/2024 (316203)
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	<0.0045	0.023	0.075	
Lead	<0.15	<0.030	0.15	0.50	

Sample ID: FOPR240325DW91 Lab ID: 2408638003		Location: Soil Reme	ediation		ed: 03/25/2024 ed: 03/26/2024
Method: NIOSH 7300 Mod., MCE Dilution: 1		dia: MCE Filter eter: Air Volume 5319	L		14 27/2024 (316105) 29/2024 (316203)
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	<0.0042	0.023	0.075	
Lead	<0.15	<0.028	0.15	0.50	

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# Workorder: 34-2408638

Client Project ID: Frisco Development Corporation Purchase Order: 22382 Project Manager: Jessica Cofrancesco

#### **Analytical Results**

Sample ID: FOPR240325DW917 Lab ID: 2408638004		Location: Soil Reme	ediation	Collected: 0 Received: 0	
Method: NIOSH 7300 Mod., MCE Dilution: 1		edia: MCE Filter eter: Air Volume 5258	L	Instrument: ICP14 Prepared: 03/27/20 Analyzed: 03/29/20	
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	<0.0043	0.023	0.075	
Lead	<0.15	<0.029	0.15	0.50	

Sample ID: FOPR240325DW91 Lab ID: 2408638005		Location: Soil Reme	ediation		ed: 03/25/2024 ed: 03/26/2024
Method: NIOSH 7300 Mod., MCE Dilution: 1		edia: MCE Filter eter: Air Volume 5335	L		14 27/2024 (316105) 29/2024 (316203)
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	<0.0042	0.023	0.075	
Lead	<0.15	<0.028	0.15	0.50	

Sample ID: FOPR240325 FB Lab ID: 2408638006	Sampling	Location: Soil Reme	ediation		ed: 03/25/2024 ed: 03/26/2024
Method: NIOSH 7300 Mod., MCE Dilution: 1		dia: MCE Filter ter: Air Volume 0 L			14 27/2024 (316105) 29/2024 (316203)
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	NA	0.023	0.075	
Lead	<0.15	NA	0.15	0.50	

#### Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

/S/ Joanna C. Sanchez	
NIOSH 7300 Mod., MCE (316203) 75/ 50anna C. Sanchez	/S/ Kristie F. Bitner
03/29/2024 13:24	03/29/2024 15:41

#### Laboratory Contact Information

ALS Environmental 960 W Levoy Drive Salt Lake City, Utah 84123 Phone: (801) 266-7700 Email: alslt.lab@ALSGlobal.com Web: www.alsglobal.com/slt



## Workorder: **34-2408638**

Client Project ID: Frisco Development Corporation Purchase Order: 22382 Project Manager: Jessica Cofrancesco

### **General Lab Comments**

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	DOECAP-AP	L24-29	http://www.pjlabs.com
	Washington	C596	https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Lab oratory-Accreditation

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- LOQ = Limit of Quantitation = RL = Reporting Limit, A verified value of method/media/instrument sensitivity.
- ND = Not Detected, Testing result not detected above the LOD or LOQ.
- NA = Not Applicable.

\*\* No result could be reported, see sample comments for details.

< Means this testing result is less than the numerical value.

() This testing result is between the LOD and LOQ and has higher analytical uncertainty than values at or above the LOQ.



Report Date: March 29, 2024

Phone: (620) 331-1200 Fax: (620) 331-6216 E-mail: gsherwood@rsi-ks.com

Workorder: 34-2408736

Client Project ID: Frisco Development Corporation Purchase Order: 22071/22382 Project Manager: Jessica Cofrancesco

### **Analytical Results**

Grant Sherwood

P.O. Box 587

Remediation Services, Inc.

2735 South 10th Street Independence, KS 67301

Sample ID: FOPR240326DW827 Lab ID: 2408736001		d: 03/26/2024 d: 03/27/2024			
Method: NIOSH 7300 Mod., MCE Dilution: 1		edia: MCE Filter eter: Air Volume 5269		4 8/2024 (316146) 9/2024 (316203)	
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	<0.0043	0.023	0.075	
Lead	1.5	0.28	0.15	0.50	

Sample ID: FOPR240326DW659 Lab ID: 2408736002		g Location: Frisco Dev	velopment C		: 03/26/2024 : 03/27/2024
Method: NIOSH 7300 Mod., MCE Dilution: 1		Media: MCE Filter Sampling Parameter: Air Volume 5182 L			4 5/2024 (316146) 5/2024 (316203)
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	< 0.023	<0.0043	0.023	0.075	
Lead	<0.15	<0.029	0.15	0.50	

Sample ID: FOPR240326DW915 Lab ID: 2408736003		ed: 03/26/2024 ed: 03/27/2024			
Method: NIOSH 7300 Mod., MCE Dilution: 1	Media: MCE Filter Sampling Parameter: Air Volume 5284 L				14 28/2024 (316146) 29/2024 (316203)
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	<0.0043	0.023	0.075	
Lead	(0.43)	(0.082)	0.15	0.50	

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# Workorder: 34-2408736

Client Project ID: Frisco Development Corporation Purchase Order: 22071/22382 Project Manager: Jessica Cofrancesco

## **Analytical Results**

Sample ID: FOPR240326DW917 Lab ID: 2408736004		Location: Frisco De	velopment C	Collected: 03/ Received: 03/	
Method: NIOSH 7300 Mod., MCE Dilution: 1		Media: MCE Filter Sampling Parameter: Air Volume 5339 L			4 (316146) 4 (316203)
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	< 0.0042	0.023	0.075	
Lead	(0.19)	(0.035)	0.15	0.50	

Sample ID: FOPR240326DW916 Lab ID: 2408736005		Location: Frisco Dev	velopment C		ed: 03/26/2024 ed: 03/27/2024
Method: NIOSH 7300 Mod., MCE Dilution: 1	Media: MCE Filter Sampling Parameter: Air Volume 5396 L				14 28/2024 (316146) 29/2024 (316203)
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	<0.0042	0.023	0.075	
Lead	<0.15	<0.028	0.15	0.50	

#### **Report Authorization** (/S/ is an electronic signature that complies with 21 CFR Part 11)

Method (Analysis Batch)	Analyst	Peer Review
NIOSH 7300 Mod., MCE (316203)	/S/ Joanna C. Sanchez 03/29/2024 13:24	/S/ Kristie F. Bitner 03/29/2024 15:41

## Laboratory Contact Information

ALS Environmental	Phone: (801) 266-7700
960 W Levoy Drive	Email: alslt.lab@ALSGlobal.com
Salt Lake City, Utah 84123	Web: www.alsglobal.com/slt



## Workorder: 34-2408736

Client Project ID: Frisco Development Corporation Purchase Order: 22071/22382 Project Manager: Jessica Cofrancesco

### **General Lab Comments**

The results provided in this report relate only to the items tested. Samples were received in acceptable condition unless otherwise noted. The following was provided by the client: Sample ID, Collection Date, Sampling Location, Media Type, Sampling Parameter. Collection Date, Media Type, and Sampling Parameter can potentially affect the validity of the results. Samples have not been blank corrected unless otherwise noted. This test report shall not be reproduced, except in full, without written approval of ALS.

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	DOECAP-AP	L24-29	http://www.pjlabs.com
	Washington	C596	https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Lab oratory-Accreditation

#### Definitions

LOD = Limit of Detection = MDL = Method Detection Limit, A statistical estimate of method/media/instrument sensitivity.

- LOQ = Limit of Quantitation = RL = Reporting Limit, A verified value of method/media/instrument sensitivity.
- ND = Not Detected, Testing result not detected above the LOD or LOQ.
- NA = Not Applicable.

\*\* No result could be reported, see sample comments for details.

< Means this testing result is less than the numerical value.

() This testing result is between the LOD and LOQ and has higher analytical uncertainty than values at or above the LOQ.



# ANALYTICAL REPORT Amended-20240404

Report Date: April 04, 2024

Phone: (620) 331-1200 Fax: (620) 331-6216 E-mail: gsherwood@rsi-ks.com

Workorder: **34-2408833** 

Client Project ID: Frisco Development Corporation Purchase Order: 22071/22382 Project Manager: Jessica Cofrancesco

### **Analytical Results**

Grant Sherwood

P.O. Box 587

Remediation Services, Inc.

2735 South 10th Street Independence, KS 67301

Sample ID:FOPR240327DW827Lab ID:2408833001Sampling Location:Frisco Development C					d: 03/27/2024 d: 03/28/2024
Method: NIOSH 7300 Mod., MCE Dilution: 1		edia: MCE Filter eter: Air Volume 4941		13 9/2024 (316198) 1/2024 (316269)	
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	<0.0046	0.023	0.075	
Lead	<0.15	<0.030	0.15	0.50	

Sample ID: FOPR240327DW659 Lab ID: 2408833002		g Location: Frisco Dev	velopment C		ed: 03/27/2024 ed: 03/28/2024
Method: NIOSH 7300 Mod., MCE Dilution: 1		Media: MCE Filter Sampling Parameter: Air Volume 4955 L			13 29/2024 (316198) 01/2024 (316269)
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	<0.0045	0.023	0.075	
Lead	<0.15	<0.030	0.15	0.50	

Sample ID: FOPR240327DW915Lab ID: 2408833003Sampling Location: Frisco Development C					ed: 03/27/2024 ed: 03/28/2024
Method: NIOSH 7300 Mod., MCE Dilution: 1	Media: MCE Filter Sampling Parameter: Air Volume 4917 L				13 29/2024 (316198) 01/2024 (316269)
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	<0.0046	0.023	0.075	
Lead	<0.15	<0.031	0.15	0.50	

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Thu, 04/04/24 11:55 AM



# ANALYTICAL REPORT Amended-20240404

## Workorder: 34-2408833

Client Project ID: Frisco Development Corporation Purchase Order: 22071/22382 Project Manager: Jessica Cofrancesco

## **Analytical Results**

Sample ID: FOPR240327DW917 Lab ID: 2408833004	7 Collected: 03/27/2024   Sampling Location: Frisco Development C Received: 03/28/2024				
Method: NIOSH 7300 Mod., MCE Dilution: 1	Media: MCE Filter Sampling Parameter: Air Volume 5167 L				3 9/2024 (316198) 1/2024 (316269)
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	<0.0044	0.023	0.075	
Lead	<0.15	<0.029	0.15	0.50	

Sample ID: FOPR240327DW916 Lab ID: 2408833005	6 Collected: 03/27/2024   Sampling Location: Frisco Development C Received: 03/28/2024				
Method: NIOSH 7300 Mod., MCE Dilution: 1	Media: MCE Filter Sampling Parameter: Air Volume 4961 L				13 29/2024 (316198) 01/2024 (316269)
Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)	
Cadmium	<0.023	<0.0045	0.023	0.075	
Lead	0.63	0.13	0.15	0.50	

## Comments

#### Workorder: 2408833

Amended(04/04/2024): changed units per client request

#### Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Method (Analysis Batch)	Analyst	Peer Review	
NIOSH 7300 Mod., MCE (316269)	/S/ Ethan Hamilton 04/01/2024 18:25	/S/ Kristie F. Bitner 04/02/2024 08:41	

#### Laboratory Contact Information

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# ANALYTICAL REPORT Amended-20240404

## Workorder: 34-2408833

Client Project ID: Frisco Development Corporation Purchase Order: 22071/22382 Project Manager: Jessica Cofrancesco

### **General Lab Comments**

The results provided in this report relate only to the items tested. Samples were received in acceptable condition unless otherwise noted. The following was provided by the client: Sample ID, Collection Date, Sampling Location, Media Type, Sampling Parameter. Collection Date, Media Type, and Sampling Parameter can potentially affect the validity of the results. Samples have not been blank corrected unless otherwise noted. This test report shall not be reproduced, except in full, without written approval of ALS.

ALS provides professional analytical services for all samples submitted. ALS is not in a position to interpret the data and assumes no responsibility for the quality of the samples submitted.

All quality control samples processed with the samples in this report yielded acceptable results unless otherwise noted.

ALS is accredited for specific fields of testing (scopes) in the following testing sectors. The quality system implemented at ALS conforms to accreditation requirements and is applied to all analytical testing performed by ALS. The following table lists testing sector, accreditation body, accreditation number and website. Please contact these accrediting bodies or your ALS project manager for the current scope of accreditation that applies to your analytical testing.

Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP)	101574	http://www.aihaaccreditedlabs.org
	DOECAP-AP	L24-29	http://www.pjlabs.com
	Washington	C596	https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Lab oratory-Accreditation

#### Definitions

LOD = Limit of Detection = MDL = Method Detection Limit, A statistical estimate of method/media/instrument sensitivity.

- LOQ = Limit of Quantitation = RL = Reporting Limit, A verified value of method/media/instrument sensitivity.
- ND = Not Detected, Testing result not detected above the LOD or LOQ.
- NA = Not Applicable.

\*\* No result could be reported, see sample comments for details.

< Means this testing result is less than the numerical value.

() This testing result is between the LOD and LOQ and has higher analytical uncertainty than values at or above the LOQ.