January 21, 2013

Mr. Keith Sheedy
Texas Commission on Environmental Quality
Remediation Division
P.O. Box 13087
MC-122
Austin, Texas 78711-3087

RE: Submittal of Site Monitoring and Quality Assurance Data – Week 6
Exide Technologies Frisco Recycling Center
Frisco, Texas
IHW 50206, SWR No. 30516, RN100218643

Dear Mr. Sheedy:

The *Perimeter Air Monitoring Plan for Response Actions at Class 2 Non-Hazardous Waste Landfill* (dated December 7, 2012) and the *Perimeter Air Monitoring Plan - Facility Demolition* dated November 21, 2012 (collectively, the AMPs) address air monitoring to be conducted by Exide Technologies at the Exide Technologies Frisco Recycling Center located in Frisco, Texas during upcoming demolition and landfill remediation work.

Upon the commencement of pre-demolition decontamination activities (i.e., decontamination activities following the cessation of recycling activities and prior to the initiation of facility demolition activities), Exide began using the air monitors and samplers that will be employed under the AMPs to identify potential technical issues and work on procedural aspects of their use prior to the upcoming demolition and landfill remediation work that will be subject to the AMPs. This pre-demolition period provides an excellent opportunity to pilot the AMP procedures, including the format and content of the summary reports that will be provided to TCEQ and posted on the Exide website. Accordingly, with this letter, W&M Environmental Group, Inc. (W&M) is submitting a summary of air monitoring data related to Site activities at the Exide Technologies Frisco Recycling Center located in Frisco, Texas. This data was collected from a period of site activity that was limited to decontamination work and is being submitted for informational purposes and to confirm the use of this reporting format.

This submittal is for data collected or received from **Monday, January 7, 2013 through Saturday January 12, 2013**. Site activities being conducted during this reporting period are noted below:

☒	**Decontamination**	☐	**Facility Demolition**	☐	**Landfill Remediation**

The following Worksheets, Data Sheets or Reports are included within this submittal:

		Description	Details	Remarks
☒	A	Daily Summary Report	Real-time Particulate Monitoring , Wind Speed & Direction	
☒	B	Take Action/Stop Work Notifications	Response actions taken due to high wind or elevated real-time particulate readings	1
☒	C	Field Data Sheet – E-BAMs	E-BAM particulate monitoring positions and locations	
☒	D	Field Data Sheet – Low Vols	Details for low-volume samples for Pd/Cd	
☒	E	Analytical Report – Metals Analysis	Laboratory Data Report for Pb/Cd in air samples	
☐	F	Updated Table 1	Re-calculated Action Levels based upon actual PM, Pb and Cd data	

Remark No.	Comments
1	All PM and wind alerts were reviewed. Refer to the Daily Notification Reports in Attachment B for details on each work date. No response actions were required since only interior decontamination activities were being conducted (no demolition, landfill remediation or other dust-generating activities).

For activities subject to the *Perimeter Air Monitoring Work Plans*, W&M will indicate that it has reviewed the information in relation to the quality assurance requirements outlined in the *Perimeter Air Monitoring Work Plans*, and the data meets the project QA requirements. W&M undertook that review for this informational assessment as well, and the data meets the project QA requirements.

If you have any questions or require additional information, please do not hesitate to call me at 972-516-0300.

Very truly yours,
W&M ENVIRONMENTAL GROUP, INC.

Frank W. Clark, P.E., P.G.
Senior Consultant

cc: Vanessa Coleman - Exide
Aileen Hooks, Jennifer Keane - Baker Botts LLC
Grant Sherwood, Dan Roth - Remediation Services, Inc.
Tim Nickels - Pastor Behling & Wheeler, LLC

DAILY SUMMARY REPORTS

ATTACHMENT A

Daily Summary Report
Real-Time Particulate Monitoring Data
Exide Technologies - Facility Decontamination
Frisco, Texas

Date	Time Interval (30-min blocks)	E-BAM G4605 30-min avg (mg/m^3)	E-BAM F5001 30-min avg (mg/m^3)	E-BAM G4526 30-min avg (mg/m^3)	E-BAM G4607 30-min avg (mg/m^3)	Wind Direction (30-min avg from N)	Wind Speed (30-min avg mph)
		Upwind	Downwind	Downwind	Downwind		
1/7/2013	07:00-07:29	0.017	0.021	0.054	0.020	104	5.5
	07:30-07:59	0.014	0.060	0.053	0.037	106	7.6
	08:00-08:29	0.011	-0.001	0.008	0.016	107	8.2
	08:30-08:59	0.014	0.010	0.010	0.014	110	7.6
	09:00-09:29	0.011	0.021	0.016	0.013	113	7.7
	09:30-09:59	0.021	0.015	0.013	0.028	110	9.3
	10:00-10:29	0.014	0.017	0.021	0.022	113	9.0
	10:30-10:59	0.015	0.020	0.019	0.022	125	8.3
	11:00-11:29	0.016	0.010	0.019	0.007	137	11.5
	11:30-11:59	0.033	0.020	0.013	0.021	143	10.1
	12:00-12:29	0.013	-0.005	0.015	0.008	152	10.2
	12:30-12:59	0.012		0.010	0.019	153	10.2
	13:00-13:29	0.010		0.019	0.012	144	9.4
	13:30-13:59	0.014		0.002	0.019	139	8.5
	14:00-14:29	0.008		0.017	0.019	136	8.7
	14:30-14:59	0.008	0.017	0.005	0.006	115	10.5
	15:00-15:29	0.005	0.014	0.008	0.009	133	10.6
	15:30-15:59	0.015	0.015	0.026	0.021	140	9.5
	16:00-16:29	0.009	0.014	0.015	0.005	139	8.2
	16:30-16:59	0.021	0.011	0.011	0.012	132	7.0
	17:00-17:29	0.017	0.014			138	6.4
	17:30-17:59	0.022	0.018			123	5.6
Daily Averages ----->		**0.014**	**0.016**	**0.018**	**0.017**	**128**	**8.6**

Notes:

- Data reported below 0 mg/m^3 is considered to be zero concentration
- Blank data records indicate no data was transmitted for the given time interval
- Wind direction values are reported as the origin of the wind as referenced in degrees from North

Daily Summary Report
Real-Time Particulate Monitoring Data
Exide Technologies - Facility Decontamination
Frisco, Texas

Date	Time Interval (30-min blocks)	E-BAM G4605 30-min avg (mg/m^3)	E-BAM F5001 30-min avg (mg/m^3)	E-BAM G4526 30-min avg (mg/m^3)	E-BAM G4607 30-min avg (mg/m^3)	Wind Direction (30-min avg from N)	Wind Speed (30-min avg mph)
		Upwind	Downwind	Downwind	Downwind		
1/8/2013	07:00-07:29	0.009	0.008	0.012	0.017	90	6.1
	07:30-07:59	0.028	0.028	0.012	0.012	92	7.4
	08:00-08:29	0.023	0.022	0.017	0.021	95	8.6
	08:30-08:59	0.015	0.023	0.014	0.014	107	8.9
	09:00-09:29	0.025	0.026	0.024	0.028	103	8.2
	09:30-09:59	0.012	0.046	0.019	0.014	96	6.2
	10:00-10:29	0.025	0.008	0.019	0.019	89	7.2
	10:30-10:59	0.071	0.003	0.023	0.065	71	6.2
	11:00-11:29	0.008	0.047	0.046	0.011	76	7.7
	11:30-11:59	0.037	0.025	0.031	0.024	67	7.3
	12:00-12:29	0.080	0.020	0.004	0.060	67	7.0
	12:30-12:59	0.027	0.008	0.013	0.032	44	7.9
	13:00-13:29	0.108	0.007	0.018	0.038	57	7.5
	13:30-13:59	0.032	-0.002	0.018	0.053	55	6.4
	14:00-14:29	-0.001	0.012	0.001	0.068	48	5.2
	14:30-14:59		0.023	-0.005	0.038	51	5.9
	15:00-15:29			-0.005	0.013	46	5.9
	15:30-15:59			-0.005	0.030	50	6.8
	16:00-16:29			-0.005	0.002	42	6.5
	16:30-16:59					41	6.1
	17:00-17:29					50	6.1
	17:30-17:59		0.009	0.015	-0.005	49	5.7
**Daily Averages -----> **		**0.033**	**0.018**	**0.013**	**0.028**	**68**	**6.9**

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Daily Summary Report
Real-Time Particulate Monitoring Data
Exide Technologies - Facility Decontamination
Frisco, Texas

Date	Time Interval (30-min blocks)	E-BAM G4605 30-min avg (mg/m^3)	E-BAM F5001 30-min avg (mg/m^3)	E-BAM G4526 30-min avg (mg/m^3)	E-BAM G4607 30-min avg (mg/m^3)	Wind Direction (30-min avg from N)	Wind Speed (30-min avg mph)
		Upwind	Downwind	Downwind	Downwind		
1/9/2013	07:00-07:29	0.024	0.003	0.021	0.020	38	8.7
	07:30-07:59	0.007	0.007	0.009	0.015	37	8.8
	08:00-08:29	0.015	0.015	0.006	0.014	40	10.6
	08:30-08:59	0.014	0.021	0.006	0.060	46	10.0
	09:00-09:29	0.010	0.004	0.010	0.025	40	9.8
	09:30-09:59	0.019	0.008	0.007	0.011	41	9.5
	10:00-10:29	0.013	0.006	0.007	0.014	45	9.8
	10:30-10:59	0.005	0.008	0.011	0.022	55	9.5
	11:00-11:29	0.014	0.009	0.012	0.013	53	7.3
	11:30-11:59	0.008	0.007	0.011	0.020	48	8.7
	12:00-12:29	0.000	0.002	0.012	0.020	55	11.7
	12:30-12:59	0.015	0.005	-0.003	0.006	66	13.6
	13:00-13:29	0.005	0.004	0.003	0.011	69	14.9
	13:30-13:59	0.010	0.003	0.009	0.005	65	15.8
	14:00-14:29	0.005	0.007	0.005	0.005	65	18.8
	14:30-14:59	0.005	-0.002	0.006	0.015	78	14.4
	15:00-15:29	0.010	-0.005	0.006	0.028	84	12.5
	15:30-15:59	0.007	-0.005	0.009	0.022	85	13.0
	16:00-16:29	0.009	-0.005	0.010	0.011	83	12.5
	16:30-16:59	0.008	-0.005	0.013	0.001	80	11.6
	17:00-17:29					78	11.9
	17:30-17:59					78	14.2
Daily Averages ----->		**0.010**	**0.004**	**0.009**	**0.017**	**60**	**11.7**

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Daily Summary Report
Real-Time Particulate Monitoring Data
Exide Technologies - Facility Decontamination
Frisco, Texas

Date	Time Interval (30-min blocks)	E-BAM G4605 30-min avg (mg/m^3)	E-BAM F5001 30-min avg (mg/m^3)	E-BAM G4526 30-min avg (mg/m^3)	E-BAM G4607 30-min avg (mg/m^3)	Wind Direction (30-min avg from N)	Wind Speed (30-min avg mph)
		Upwind	Downwind	Downwind	Downwind		
1/10/2013	07:00-07:29		0.013	0.042	0.023	192	7.1
	07:30-07:59		-0.003	0.019	0.032	186	9.3
	08:00-08:29	0.040	0.012	0.038	0.047	186	9.0
	08:30-08:59	0.026	0.002	0.053	0.084	214	10.2
	09:00-09:29	0.014	0.021	0.047	0.084	210	9.1
	09:30-09:59	0.006	0.010	0.033	0.084	211	9.6
	10:00-10:29	0.006	0.039	0.010	0.084	206	11.4
	10:30-10:59	0.013	0.017	0.015	0.084	211	10.2
	11:00-11:29	0.015	0.024	0.006	0.062	219	10.9
	11:30-11:59	0.019	0.019	0.007	0.046	195	9.3
	12:00-12:29	0.017	0.011	0.015	0.020	170	18.4
	12:30-12:59	0.007	0.035	0.011	0.035	215	14.4
	13:00-13:29	0.032	0.010	0.035	0.058	217	14.5
	13:30-13:59	0.035	0.002	0.038	0.039	209	11.6
	14:00-14:29	0.015	0.014	0.045	0.023	200	12.9
	14:30-14:59	0.025	0.021	0.013	0.029	213	12.4
	15:00-15:29	0.024	0.000	0.022	0.020	215	10.8
	15:30-15:59	0.023	0.020	0.013	0.013	210	11.9
	16:00-16:29	0.030	0.011	0.013	0.011	187	10.4
	16:30-16:59	0.011	0.016	0.022	0.011	182	12.3
	17:00-17:29	0.027	0.003	0.012	0.010	185	12.0
	17:30-17:59	0.017	0.014	0.005	0.016	188	11.3
Daily Averages ----->		**0.020**	**0.014**	**0.023**	**0.042**	**201**	**11.3**

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Daily Summary Report
Real-Time Particulate Monitoring Data
Exide Technologies - Facility Decontamination
Frisco, Texas

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		Upwind	Downwind	Downwind	Downwind		
1/11/2013	07:00-07:29	0.009	0.007	0.013	0.010	130	10.6
	07:30-07:59	0.006	0.019	0.022	0.010	159	11.6
	08:00-08:29	0.011	0.022	0.021	0.000	178	13.6
	08:30-08:59	0.003	0.026	0.016	0.011	197	12.5
	09:00-09:29	0.045	0.022	0.017	0.015	176	13.1
	09:30-09:59	0.070	0.012	0.012	0.039	199	11.7
	10:00-10:29	0.073	0.019	0.021	0.040	187	12.3
	10:30-10:59	0.028	0.011	0.021	0.059	161	10.8
	11:00-11:29	0.020	0.060	0.019	0.029	153	10.1
	11:30-11:59	0.021	0.016	0.015	0.031	182	15.8
	12:00-12:29	0.016	0.025	0.025	0.018	189	18.6
	12:30-12:59	0.022	0.009	0.022	0.014	195	15.5
	13:00-13:29	0.035	0.015	0.021	0.031	197	13.1
	13:30-13:59	0.021	0.020	0.018	0.029	195	16.2
	14:00-14:29	0.023	0.010	0.013	0.018	184	13.1
	14:30-14:59	0.020	0.011	0.018	0.017	184	14.7
	15:00-15:29	0.018	0.015	0.020	0.018	181	14.9
	15:30-15:59	0.021	0.019	0.026	0.016	183	16.0
	16:00-16:29	0.026	0.011	0.016	0.021	174	12.3
	16:30-16:59	0.010	0.009	0.036		162	12.6
	17:00-17:29		0.013			157	11.1
	17:30-17:59					166	14.8
**Daily Averages -----> **		**0.025**	**0.018**	**0.020**	**0.022**	**177**	**13.4**

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Daily Summary Report
Real-Time Particulate Monitoring Data
Exide Technologies - Facility Decontamination
Frisco, Texas

Date	Time Interval (30-min blocks)	E-BAM G4605 30-min avg (mg/m^3)	E-BAM F5001 30-min avg (mg/m^3)	E-BAM G4526 30-min avg (mg/m^3)	E-BAM G4607 30-min avg (mg/m^3)	Wind Direction (30-min avg from N)	Wind Speed (30-min avg mph)
		Upwind	Downwind	Downwind	Downwind		
1/12/2013	07:00-07:29	-0.005	-0.005	0.018	0.158	125	4.7
	07:30-07:59	0.073	0.024	0.074	0.016	106	5.2
	08:00-08:29	0.046	0.024	0.081	0.040	104	5.7
	08:30-08:59	0.050	0.027	0.070	0.016	108	7.0
	09:00-09:29	0.041	0.018	0.040	0.025	117	6.8
	09:30-09:59	0.115	0.026	0.024	0.023	111	7.1
	10:00-10:29	0.093	0.013	0.069	0.022	104	5.5
	10:30-10:59	0.064	0.057	0.102	0.047	262	8.4
	11:00-11:29	0.049	0.005	0.070	0.072	242	9.2
	11:30-11:59	0.058	0.009	0.018	0.026	252	9.8
	12:00-12:29	0.082	0.017	0.065	0.097	200	8.7
	12:30-12:59	0.062	0.023	0.017	0.097	75	7.3
	13:00-13:29	0.102	0.017	0.118	0.086	253	9.8
	13:30-13:59	0.021	0.021	0.030	0.010	237	9.1
	14:00-14:29	0.020	0.036	0.038	0.027	149	8.5
	14:30-14:59	0.019	0.058	0.015	0.010	312	12.0
	15:00-15:29	0.026	0.010	0.026	0.025	309	11.1
	15:30-15:59	0.018	0.076	0.019	0.005	328	14.4
	16:00-16:29	0.036	0.024	0.028	0.010	332	19.3
	16:30-16:59	0.093	0.008	0.051	0.115	324	17.7
	17:00-17:29	0.059	0.003	0.036	0.020	333	14.7
	17:30-17:59	0.095	0.006	0.071	0.087	330	17.3
Daily Averages ----->		**0.055**	**0.023**	**0.049**	**0.047**	**214**	**10.0**

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TAKE ACTION/STOP WORK NOTIFICATIONS

ATTACHMENT B

Daily Notification Report
Real-Time Particulate Monitoring Data
Exide Technologies - Facility Decontamination and Demolition
Frisco, Texas

Date	Time	Condition	Status	Parameter	Notification Subject Line	Measured Value	Criterion	Comments
1/7/2013	14:53:16	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn B - F5001 - Downwind (North Gateway)	Null	Null	No dust generating activities at this time

Daily Notification Report
Real-Time Particulate Monitoring Data
Exide Technologies - Facility Decontamination and Demolition
Frisco, Texas

Date	Time	Condition	Status	Parameter	Notification Subject Line	Measured Value	Criterion	Comments
1/8/2013	11:30:30	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn A - G4605 - Upwind (South Gateway))	Null	Null	No dust generating activities at this time
	13:39:11	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn A - G4605 - Upwind (South Gateway))	Null	Null	No dust generating activities at this time
	13:39:11	TAKE ACTION	Trigger	PM10 - 30min Avg	TAKE ACTION LEVEL - PM10 Trigger Condition (Stn A - G4605 - Upwind (South Gateway))	0.108	> 0.1	No downwind exceedances; verified all downwind monitors are functioning. No dust generating activities at this time
	13:58:20	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn A - G4605 - Upwind (South Gateway))	Null	Null	No dust generating activities at this time
	16:00:14	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn C - G4526 - Downwind (North Gateway))	Null	Null	No dust generating activities at this time
	16:11:57	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn C - G4526 - Downwind (North Gateway))	Null	Null	No dust generating activities at this time
	17:38:50	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn B - F5001 - Downwind (South Gateway))	Null	Null	No dust generating activities at this time
	17:51:29	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn B - F5001 - Downwind (South Gateway))	Null	Null	No dust generating activities at this time
	17:51:48	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn C - G4526 - Downwind (South Gateway))	Null	Null	No dust generating activities at this time
	17:54:06	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn D - G4607 - Downwind (South Gateway))	Null	Null	No dust generating activities at this time

Daily Notification Report
Real-Time Particulate Monitoring Data
Exide Technologies - Facility Decontamination and Demolition
Frisco, Texas

Date	Time	Condition	Status	Parameter	Notification Subject Line	Measured Value	Criterion	Comments
1/9/2013	7:22:13	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn C - G4526 - Downwind (South Gateway)	Null	Null	No dust generating activities at this time
	7:23:14	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn A - G4605 - Upwind (North Gateway)	Null	Null	No dust generating activities at this time
	7:40:58	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn C - G4526 - Downwind (South Gateway)	Null	Null	No dust generating activities at this time
	7:41:10	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn B - F5001 - Downwind (South Gateway)	Null	Null	No dust generating activities at this time
	7:41:24	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn D - G4607 - Downwind (South Gateway)	Null	Null	No dust generating activities at this time
	7:40:58	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn A - G4605 - Upwind (North Gateway)	Null	Null	No dust generating activities at this time
	7:51:32	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn D - G4607 - Downwind (South Gateway)	Null	Null	No dust generating activities at this time
	8:35:58	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn C - G4526 - Downwind (South Gateway)	Null	Null	No dust generating activities at this time
	8:37:28	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn D - G4607 - Downwind (South Gateway)	Null	Null	No dust generating activities at this time
	8:36:53	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn A - G4605 - Upwind (North Gateway)	Null	Null	No dust generating activities at this time
	8:37:42	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn B - F5001 - Downwind (South Gateway)	Null	Null	No dust generating activities at this time
	8:45:43	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn A - G4605 - Upwind (North Gateway)	Null	Null	No dust generating activities at this time
	9:15:51	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn A - G4605 - Upwind (North Gateway)	Null	Null	No dust generating activities at this time
	13:03:57	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn C - G4526 - Downwind (South Gateway)	Null	Null	No dust generating activities at this time
	13:46:20	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	22.0	> 20.0	No dust generating activities at this time
	14:00:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	23.6	> 20.0	No dust generating activities at this time
	14:03:20	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	22.3	> 20.0	No dust generating activities at this time
	14:05:20	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	20.3	> 20.0	No dust generating activities at this time
	14:08:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	20.3	> 20.0	No dust generating activities at this time
	14:11:20	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	20.4	> 20.0	No dust generating activities at this time
	14:14:20	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	25.0	> 20.0	No dust generating activities at this time
	14:18:20	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	20.1	> 20.0	No dust generating activities at this time
	14:23:20	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	22.5	> 20.0	No dust generating activities at this time
	14:30:20	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	21.7	> 20.0	No dust generating activities at this time
	14:33:20	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	22.0	> 20.0	No dust generating activities at this time
	17:47:20	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	20.9	> 20.0	No dust generating activities at this time

Daily Notification Report
Real-Time Particulate Monitoring Data
Exide Technologies - Facility Decontamination and Demolition
Frisco, Texas

Date	Time	Condition	Status	Parameter	Notification Subject Line	Measured Value	Criterion	Comments
1/10/2013	7:16:59	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn C - G4526 - Downwind (North Gateway)	Null	Null	No dust generating activities at this time
	7:58:04	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn B - F5001 - Downwind (North Gateway)	Null	Null	No dust generating activities at this time
	8:22:22	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn A - G4605 - Upwind (South Gateway)	Null	Null	No dust generating activities at this time
	12:02:20	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	21.2	> 20.0	No dust generating activities at this time
	12:03:35	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	22.4	> 20.0	No dust generating activities at this time
	12:05:20	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	23.9	> 20.0	No dust generating activities at this time
	14:40:10	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn D - G4607 - Downwind (North Gateway)	Null	Null	No dust generating activities at this time
	14:41:39	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn C - G4526 - Downwind (North Gateway)	Null	Null	No dust generating activities at this time
	17:05:20	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	20.5	> 20.0	No dust generating activities at this time

Daily Notification Report
Real-Time Particulate Monitoring Data
Exide Technologies - Facility Decontamination and Demolition
Frisco, Texas

Date	Time	Condition	Status	Parameter	Notification Subject Line	Measured Value	Criterion	Comments
1/11/2013	12:06:46	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn B - F5001 - Downwind (North Gateway)	Null	Null	No dust generating activities at this time
	12:07:32	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn A - G4605 - Upwind (South Gateway)	Null	Null	No dust generating activities at this time
	12:06:46	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn C - G4526 - Downwind (North Gateway)	Null	Null	No dust generating activities at this time
	12:07:08	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn D - G4607 - Downwind (North Gateway)	Null	Null	No dust generating activities at this time
	12:09:22	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	20.3	> 20.0	No dust generating activities at this time
	12:12:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	24.6	> 20.0	No dust generating activities at this time
	12:20:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	24.6	> 20.0	No dust generating activities at this time
	12:22:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	22.9	> 20.0	No dust generating activities at this time
	12:30:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	21.7	> 20.0	No dust generating activities at this time
	12:59:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	22.9	> 20.0	No dust generating activities at this time
	13:32:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	20.6	> 20.0	No dust generating activities at this time
	13:47:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	21.9	> 20.0	No dust generating activities at this time
	13:50:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	21.5	> 20.0	No dust generating activities at this time
	13:55:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	24.3	> 20.0	No dust generating activities at this time
	14:54:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	20.8	> 20.0	No dust generating activities at this time
	14:59:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.1	> 20.0	No dust generating activities at this time
	15:09:22	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	21.7	> 20.0	No dust generating activities at this time
	15:20:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	23.8	> 20.0	No dust generating activities at this time
	15:27:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	22.1	> 20.0	No dust generating activities at this time
	15:29:22	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	20.3	> 20.0	No dust generating activities at this time
	15:32:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	20.5	> 20.0	No dust generating activities at this time
	15:37:22	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	20.8	> 20.0	No dust generating activities at this time
	15:40:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	24.2	> 20.0	No dust generating activities at this time
	15:42:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	22.3	> 20.0	No dust generating activities at this time
	15:44:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	22.2	> 20.0	No dust generating activities at this time
	15:46:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	21.5	> 20.0	No dust generating activities at this time
	15:51:21	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide	20.1	> 20.0	No dust generating activities at this time

Daily Notification Report
Real-Time Particulate Monitoring Data
Exide Technologies - Facility Decontamination and Demolition
Frisco, Texas

Date	Time	Condition	Status	Parameter	Notification Subject Line	Measured Value	Criterion	Comments
1/12/2013	7:07:15	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn A - G4605 - Upwind (North Gateway))	Null	Null	No dust generating activities at this time
	7:00:39	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn C - G4526 - Downwind (South Gateway))	Null	Null	No dust generating activities at this time
	7:27:32	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn D - G4607 - Downwind (South Gateway))	Null	Null	No dust generating activities at this time
	7:27:39	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn B - F5001 - Downwind (South Gateway))	Null	Null	No dust generating activities at this time
	7:37:14	TAKE ACTION	Trigger	PM10 - 30min Avg	TAKE ACTION LEVEL - PM10 Trigger Condition (Stn D - G4607 - Downwind (South Gateway))	0.158	> 0.1	No dust generating activities at this time
	7:45:58	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn A - G4605 - Upwind (North Gateway))	Null	Null	No dust generating activities at this time
	7:48:44	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn C - G4526 - Downwind (South Gateway))	Null	Null	No dust generating activities at this time
	7:48:44	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn B - F5001 - Downwind (South Gateway))	Null	Null	No dust generating activities at this time
	7:48:44	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn D - G4607 - Downwind (South Gateway))	Null	Null	No dust generating activities at this time
	7:48:10	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn A - G4605 - Upwind (North Gateway))	Null	Null	No dust generating activities at this time
	9:58:49	TAKE ACTION	Trigger	PM10 - 30min Avg	TAKE ACTION LEVEL - PM10 Trigger Condition (Stn A - G4605 - Upwind (North Gateway))	0.119	> 0.1	No dust generating activities at this time
	10:59:24	TAKE ACTION	Trigger	PM10 - 30min Avg	TAKE ACTION LEVEL - PM10 Trigger Condition (Stn C - G4526 - Downwind (South Gateway))	0.101	> 0.1	No dust generating activities at this time
	11:10:28	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn B - F5001 - Downwind (South Gateway))	Null	Null	No dust generating activities at this time
	11:10:28	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn C - G4526 - Downwind (South Gateway))	Null	Null	No dust generating activities at this time
	11:10:28	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure (null data 5-min) Trigger Condition (Stn D - G4607 - Downwind (South Gateway))	Null	Null	No dust generating activities at this time
	13:28:41	TAKE ACTION	Trigger	PM10 - 30min Avg	TAKE ACTION LEVEL - PM10 Trigger Condition (Stn A - G4605 - Upwind (North Gateway))	0.104	> 0.1	No dust generating activities at this time
	13:29:23	TAKE ACTION	Trigger	PM10 - 30min Avg	TAKE ACTION LEVEL - PM10 Trigger Condition (Stn C - G4526 - Downwind (South Gateway))	0.120	> 0.1	No dust generating activities at this time
	15:52:26	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.7	> 20.0	No dust generating activities at this time
	15:56:26	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	22.3	> 20.0	No dust generating activities at this time
	16:00:26	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.4	> 20.0	No dust generating activities at this time
	16:12:26	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	21.5	> 20.0	No dust generating activities at this time
	16:14:26	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	24.7	> 20.0	No dust generating activities at this time
	16:18:26	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	27.1	> 20.0	No dust generating activities at this time
	16:20:26	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.4	> 20.0	No dust generating activities at this time
	16:27:18	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	22.6	> 20.0	No dust generating activities at this time
	16:30:26	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	21.5	> 20.0	No dust generating activities at this time
	16:33:26	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.6	> 20.0	No dust generating activities at this time
	16:36:26	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.3	> 20.0	No dust generating activities at this time
	16:51:18	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.4	> 20.0	No dust generating activities at this time
	16:59:15	TAKE ACTION	Trigger	PM10 - 30min Avg	TAKE ACTION LEVEL - PM10 Trigger Condition (Stn D - G4607 - Downwind (South Gateway))	0.115	> 0.1	No dust generating activities at this time
	17:01:26	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.9	> 20.0	No dust generating activities at this time
	17:21:27	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.2	> 20.0	No dust generating activities at this time
	17:34:26	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.5	> 20.0	No dust generating activities at this time
	17:42:26	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.6	> 20.0	No dust generating activities at this time
	17:46:26	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.6	> 20.0	No dust generating activities at this time
	17:49:27	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	23.1	> 20.0	No dust generating activities at this time
	17:58:26	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.8	> 20.0	No dust generating activities at this time

FIELD DATA SHEETS – E-BAMS

ATTACHMENT C

FIELD DATA SHEET
E-Bam Particulate Monitoring
Remediation Services, Inc.

RSI Project No: 21252 **Exide, Frisco TX**

Project Name: Facility Decontamination

Technician Name Johnny Gillman **Sampling Date** 01.07.13

E-BAM SN	G4607
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.14321
Longitude	96.82783
EBAM PAIRED WITH LOW VOL PUMP?	Yes
START TIME:	7:00
END TIME:	18:00

E-BAM SN	G4605
Upwind	X
Downwind	
GPS LOCATION	
Latitude	33.13572
Longitude	96.82722
EBAM PAIRED WITH LOW VOL PUMP?	Yes
START TIME:	7:00
END TIME:	18:00

E-BAM SN	G4526
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.14330
Longitude	96.83065
EBAM PAIRED WITH LOW VOL PUMP?	Yes
START TIME:	7:00
END TIME:	18:00

E-BAM SN	F5001
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.14328
Longitude	96.82942
EBAM PAIRED WITH LOW VOL PUMP?	Yes
START TIME:	7:00
END TIME:	18:00

FIELD DATA SHEET
E-Bam Particulate Monitoring
Remediation Services, Inc.

RSI Project No: 21252 **Exide, Frisco TX**

Project Name: Facility Decontamination

Technician Name JOHNNY GILLMAN **Sampling Date** 01.08.13

E-BAM SN	G4607
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.14321
Longitude	96.82783
EBAM PAIRED WITH LOW VOL PUMP?	No
START TIME:	7:00
END TIME:	17:00

E-BAM SN	G4605
Upwind	X
Downwind	
GPS LOCATION	
Latitude	33.13572
Longitude	96.82722
EBAM PAIRED WITH LOW VOL PUMP?	No
START TIME:	7:00
END TIME:	17:00

E-BAM SN	G4526
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.14330
Longitude	96.83065
EBAM PAIRED WITH LOW VOL PUMP?	No
START TIME:	7:00
END TIME:	17:00

E-BAM SN	F5001
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.14328
Longitude	96.82942
EBAM PAIRED WITH LOW VOL PUMP?	No
START TIME:	7:00
END TIME:	17:00

FIELD DATA SHEET
E-Bam Particulate Monitoring
Remediation Services, Inc.

RSI Project No: 21252 **Exide, Frisco TX**

Project Name: Facility Decontamination

Technician Name John McClure **Sampling Date** 01-09-13

E-BAM SN	**G4607**
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.13668
Longitude	96.82879
EBAM PAIRED WITH LOW VOL PUMP?	Yes
START TIME:	7:00
END TIME:	16:30

E-BAM SN	**G4605**
Upwind	X
Downwind	
GPS LOCATION	
Latitude	33.14328
Longitude	96.82942
EBAM PAIRED WITH LOW VOL PUMP?	Yes
START TIME:	7:00
END TIME:	16:30

E-BAM SN	**G4526**
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.13565
Longitude	96.82522
EBAM PAIRED WITH LOW VOL PUMP?	Yes
START TIME:	7:00
END TIME:	16:30

E-BAM SN	**F5001**
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.13572
Longitude	96.82722
EBAM PAIRED WITH LOW VOL PUMP?	Yes
START TIME:	7:00
END TIME:	16:30

FIELD DATA SHEET
E-Bam Particulate Monitoring
Remediation Services, Inc.

RSI Project No: 21252 **Exide, Frisco TX**

Project Name: Facility Decontamination

Technician Name John McClure **Sampling Date** 1-10-13

E-BAM SN	G4607
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.14321
Longitude	96.82783
EBAM PAIRED WITH LOW VOL PUMP?	NO
START TIME:	7:00
END TIME:	17:30

E-BAM SN	G4605
Upwind	X
Downwind	
GPS LOCATION	
Latitude	33.13572
Longitude	96.82722
EBAM PAIRED WITH LOW VOL PUMP?	NO
START TIME:	7:00
END TIME:	17:30

E-BAM SN	G4526
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.14330
Longitude	96.83065
EBAM PAIRED WITH LOW VOL PUMP?	NO
START TIME:	7:00
END TIME:	17:30

E-BAM SN	F5001
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.14328
Longitude	96.82942
EBAM PAIRED WITH LOW VOL PUMP?	NO
START TIME:	7:00
END TIME:	17:30

FIELD DATA SHEET
E-Bam Particulate Monitoring
Remediation Services, Inc.

RSI Project No: 21252 **Exide, Frisco TX**

Project Name: Facility Decontamination

Technician Name John McClure **Sampling Date** 1-11-13

E-BAM SN	**G4607**
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.14321
Longitude	96.82783
EBAM PAIRED WITH LOW VOL PUMP?	Yes
START TIME:	7:00
END TIME:	16:30

E-BAM SN	**G4605**
Upwind	X
Downwind	
GPS LOCATION	
Latitude	33.13572
Longitude	96.82722
EBAM PAIRED WITH LOW VOL PUMP?	Yes
START TIME:	7:00
END TIME:	16:50

E-BAM SN	**G4526**
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.14330
Longitude	96.83065
EBAM PAIRED WITH LOW VOL PUMP?	Yes
START TIME:	7:00
END TIME:	16:40

E-BAM SN	**F5001**
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.14328
Longitude	96.82942
EBAM PAIRED WITH LOW VOL PUMP?	Yes
START TIME:	7:00
END TIME:	17:10

FIELD DATA SHEET
E-Bam Particulate Monitoring
Remediation Services, Inc.

RSI Project No: 21252 **Exide, Frisco TX**

Project Name: Facility Decontamination

Technician Name John McClure **Sampling Date** 1·12·13

E-BAM SN	**G4607**
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.13565
Longitude	96.82522
EBAM PAIRED WITH LOW VOL PUMP?	NO
START TIME:	7:00
END TIME:	17:30

E-BAM SN	**G4605**
Upwind	X
Downwind	
GPS LOCATION	
Latitude	33.14328
Longitude	96.82942
EBAM PAIRED WITH LOW VOL PUMP?	NO
START TIME:	7:00
END TIME:	17:30

E-BAM SN	**G4526**
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.13668
Longitude	96.82879
EBAM PAIRED WITH LOW VOL PUMP?	NO
START TIME:	7:00
END TIME:	17:30

E-BAM SN	**F5001**
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.13572
Longitude	96.82722
EBAM PAIRED WITH LOW VOL PUMP?	NO
START TIME:	7:00
END TIME:	17:30

FIELD DATA SHEETS –
LOW VOLUME SAMPLERS

ATTACHMENT D

FIELD DATA SHEET
Low Volume Air Monitoring

Company:	**RSI**	Formulas
Project:	**Exide, Frisco TX**	Average Flow (L/min) = (Start + Stop) / 2
Project Number	21252	Sample Volume(Liters) = Avg Flow (L/min) X Duration (min)
Project Name (Demo, Landfill Stab, etc)	Decontamination	Analysis: NIOSH 7303 Lead/Cadmium
Technician Name:	Johnny Gilliam	Date Samples Collected: 01.07.13

Pump No. 3013	1
Upwind	
Downwind	X
Sample ID #	EXDEMD130107DW607
E-Bam Number	G4607
Flow Rate: Start (L/min)	3.28L
Flow Rate: Stop (L/min)	3.38L
Avg Flow (L/min)	3.33L
Start time	7:04
End Time	17:01
Duration in minutes	597
Sample Volume (Liters)	1988L

Pump No. 3014	2
Upwind	
Downwind	X
Sample ID #	EXDEMD130107DW001
E-Bam Number	F5001
Flow Rate: Start (L/min)	3.31L
Flow Rate: Stop (L/min)	3.39L
Avg Flow (L/min)	3.35L
Start time	7:10
End Time	17:06
Duration in minutes	596
Sample Volume (Liters)	1997L

Pump No. 3015	3
Upwind	
Downwind	X
Sample ID #	EXDEMD130107DW526
E-Bam Number	G4526
Flow Rate: Start (L/min)	3.24L
Flow Rate: Stop (L/min)	3.34L
Avg Flow (L/min)	3.29L
Start time	7:14
End Time	17:13
Duration in minutes	599
Sample Volume (Liters)	1971L

Pump No. 3026	4
Upwind	X
Downwind	
Sample ID #	EXDEMD130107DW605
E-Bam Number	G4605
Flow Rate: Start (L/min)	3.13L
Flow Rate: Stop (L/min)	3.19L
Avg Flow (L/min)	3.16L
Start time	7:21
End Time	17:23
Duration in minutes	602
Sample Volume (Liters)	1902L

Field Blank (if collected) 1 - Per Week Required

Upwind	NA
Downwind	NA
Flow Rate	0
Sample ID #	EXDEMD130107FB

FIELD DATA SHEET
Low Volume Air Monitoring

Company:	**RSI**	Formulas	
Project:	**Exide, Frisco TX**	Average Flow (L/min) = (Start + Stop) / 2	
Project Number	21252	Sample Volume(Liters) = Avg Flow (L/min) X Duration (min)	
Project Name (Demo, Landfill Stab, etc)	Decontamination	Analysis	NIOSH 7303 Lead/Cadmium
Technician Name:	JOHNNY GILLMAN	Date Samples Collected:	01.09.13

Pump No. 3013	1
Upwind	
Downwind	X
Sample ID #	EXDEM0130109DW526
E-Bam Number	G4526
Flow Rate: Start (L/min)	3.29 L
Flow Rate: Stop (L/min)	3.44 L
Avg Flow (L/min)	3.37 L
Start time	7:10
End Time	16:34
Duration in minutes	564
Sample Volume (Liters)	1901 L

Pump No. 3014	2
Upwind	
Downwind	X
Sample ID #	EXDEM0130109DW001
E-Bam Number	F5001
Flow Rate: Start (L/min)	3.30 L
Flow Rate: Stop (L/min)	3.42L
Avg Flow (L/min)	3.36 L
Start time	7:13
End Time	16:36
Duration in minutes	563
Sample Volume (Liters)	1892 L

Pump No. 3015	3
Upwind	
Downwind	X
Sample ID #	EXDEM0130109DW607
E-Bam Number	G4607
Flow Rate: Start (L/min)	3.23 L
Flow Rate: Stop (L/min)	3.33L
Avg Flow (L/min)	3.28L
Start time	7:16
End Time	16:40
Duration in minutes	564
Sample Volume (Liters)	1850L

Pump No. 3020	4
Upwind	X
Downwind	
Sample ID #	EXDEM0130109UW605
E-Bam Number	G4605
Flow Rate: Start (L/min)	3.11 L
Flow Rate: Stop (L/min)	3.20L
Avg Flow (L/min)	3.16L
Start time	7:25
End Time	17:02
Duration in minutes	577
Sample Volume (Liters)	1823 L

Field Blank (if collected) 1 - Per Week Required

Upwind	NA
Downwind	NA
Flow Rate	0
Sample ID #	

FIELD DATA SHEET

Low Volume Air Monitoring

Company:	**RSI**	Formulas
Project:	**Exide, Frisco TX**	Average Flow (L/min) = (Start + Stop) / 2
Project Number	21252	Sample Volume(Liters) = Avg Flow (L/min) X Duration (min)
Project Name (Demo, Landfill Stab, etc)	Decontamination	Analysis: NIOSH 7303 Lead/Cadmium
Technician Name:	John McClure	Date Samples Collected: 01-11-13

Pump No. 3013	1
Upwind	
Downwind	X
Sample ID #	Exdemo 130111 DW526
E-Bam Number	G 4526
Flow Rate: Start (L/min)	3.26L
Flow Rate: Stop (L/min)	3.26L
Avg Flow (L/min)	3.26L
Start time	7:04
End Time	16:40
Duration in minutes	576
Sample Volume (Liters)	1877L

Pump No. 3014	2
Upwind	
Downwind	X
Sample ID #	Exdemo 130111 DW001
E-Bam Number	G 5001
Flow Rate: Start (L/min)	3.29L
Flow Rate: Stop (L/min)	3.36L
Avg Flow (L/min)	3.33L
Start time	7:07
End Time	17:10
Duration in minutes	603
Sample Volume (Liters)	2008L

Pump No. 3015	3
Upwind	
Downwind	X
Sample ID #	Exdemo 130111 DW607
E-Bam Number	G 4607
Flow Rate: Start (L/min)	3.20L
Flow Rate: Stop (L/min)	3.17L
Avg Flow (L/min)	3.19L
Start time	7:09
End Time	16:30
Duration in minutes	561
Sample Volume (Liters)	1790L

Pump No. 3020	4
Upwind	X
Downwind	
Sample ID #	Exdemo 130111 UW605
E-Bam Number	G 4605
Flow Rate: Start (L/min)	3.05L
Flow Rate: Stop (L/min)	3.10L
Avg Flow (L/min)	3.08L
Start time	7:16
End Time	16:50
Duration in minutes	574
Sample Volume (Liters)	1768L

Field Blank (if collected) 1 - Per Week Required

Upwind	NA
Downwind	NA
Flow Rate	0
Sample ID #	

ANALYTICAL DATA REPORTS – METALS ANALYSIS

ATTACHMENT E

ANALYTICAL REPORT

Report Date: January 09, 2013

Grant Sherwood
Remediation Services, Inc.
P.O. Box 587
2735 South 10th Street
Independence, KS 67301

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

Workorder: **34-1300801**
Client Project ID: 21252/Exide Frisco 010813
Purchase Order: 21252
Project Manager: Paul Pope

Analytical Results

Sample ID: **EX DEMO 0130107 DW 526** Media: MCE Filter Collected: 01/07/2013
Lab ID: 1300801001 Sampling Location: Exide Frisco Received: 01/08/2013

Method: NIOSH 7300 Mod. **Sampling Parameter:** Air Volume 1971 L **Prepared:** 01/08/2013 **Analyzed:** 01/08/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.060	<0.030	0.060	0.20
Lead	<0.38	<0.19	0.38	1.3

Sample ID: **EX DEMO 0130107 DW 001** Media: MCE Filter Collected: 01/07/2013
Lab ID: 1300801002 Sampling Location: Exide Frisco Received: 01/08/2013

Method: NIOSH 7300 Mod. **Sampling Parameter:** Air Volume 1997 L **Prepared:** 01/08/2013 **Analyzed:** 01/08/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.060	<0.030	0.060	0.20
Lead	**(0.55)**	**(0.28)**	0.38	1.3

Sample ID: **EX DEMO 0130107 DW 607** Media: MCE Filter Collected: 01/07/2013
Lab ID: 1300801003 Sampling Location: Exide Frisco Received: 01/08/2013

Method: NIOSH 7300 Mod. **Sampling Parameter:** Air Volume 1988 L **Prepared:** 01/08/2013 **Analyzed:** 01/08/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.060	<0.030	0.060	0.20
Lead	<0.38	<0.19	0.38	1.3

Sample ID: **EX DEMO 0130107 UW 605** Media: MCE Filter Collected: 01/07/2013
Lab ID: 1300801004 Sampling Location: Exide Frisco Received: 01/08/2013

Method: NIOSH 7300 Mod. **Sampling Parameter:** Air Volume 1902 L **Prepared:** 01/08/2013 **Analyzed:** 01/08/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.060	<0.032	0.060	0.20

Results Continued on Next Page

ANALYTICAL REPORT

Workorder: **34-1300801**
Client Project ID: 21252/Exide Frisco 010813
Purchase Order: 21252
Project Manager: Paul Pope

Analytical Results

Sample ID: **EX DEMO 0130107 UW 605** Media: MCE Filter Collected: 01/07/2013
Lab ID: 1300801004 Sampling Location: Exide Frisco Received: 01/08/2013

Method: NIOSH 7300 Mod. **Sampling Parameter: Air Volume 1902 L** **Prepared:** 01/08/2013 **Analyzed:** 01/08/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Lead	<0.38	<0.20	0.38	1.3

Sample ID: **EX DEMO 0130107 FB** Media: MCE Filter Collected: 01/07/2013
Lab ID: 1300801005 Sampling Location: Exide Frisco Received: 01/08/2013

Method: NIOSH 7300 Mod. **Sampling Parameter: Air Volume Not Applicable** **Prepared:** 01/08/2013 **Analyzed:** 01/08/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.060	NA	0.060	0.20
Lead	<0.38	NA	0.38	1.3

Report Authorization

Method	Analyst	Peer Review
NIOSH 7300 Mod.	Penny A. Foote	Peter P. Steen

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.alsslc.com

ANALYTICAL REPORT

Workorder: **34-1300801**
Client Project ID: 21252/Exide Frisco 010813
Purchase Order: 21252
Project Manager: Paul Pope

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
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
Environmental	ACLASS (DoD ELAP)	ADE-1420	http://www.aclasscorp.com
	Utah (NELAC)	DATA1	http://health.utah.gov/lab/labimp/
	Nevada	UT00009	http://ndep.nv.gov/bsdw/labservice.htm
	Oklahoma	UT00009	http://www.deq.state.ok.us/CSDnew/
	Iowa	IA# 376	http://www.iowadnr.gov/InsideDNR/RegulatoryWater.aspx
	Florida (TNI)	E871067	http://www.dep.state.fl.us/labs/bars/sas/qa/
	Texas (TNI)	T104704456-11-1	http://www.tceq.texas.gov/field/qa/lab_accred_certif.html
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP/ELLAP)	101574	http://www.aihaaccreditedlabs.org
Lead Testing:			
CPSC	ACLASS (ISO 17025, CPSC)	ADE-1420	http://www.aclasscorp.com
Soil, Dust, Paint ,Air	AIHA (ISO 17025, AIHA ELLAP and NLLAP)	101574	http://www.aihaaccreditedlabs.org
Dietary Supplements	ACLASS (ISO 17025)	ADE-1420	http://www.aclasscorp.com

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

Quality Control Sample
Batch Report

Analysis Information

Workorder: **1300801**

Limits: Historical/Performance
Basis: ALS Laboratory Group

Preparation: IH Metals, MCE Prep
Batch: IIPX/11665 (HBN: 100438)
Prepared By: Adam K. Taft

Analysis: IH Metals QC
Batch: IICP/7757 (HBN: 100462)
Analyzed By: Penny A. Foote

Blank

Blank: 317381
Analyzed: 01/08/2013 13:25
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	0.06	0.2
Lead	ND	0.375	1.25

LMB: 317382
Analyzed: 01/08/2013 13:28
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	0.06	0.2
Lead	ND	0.375	1.25

Laboratory Control Sample - Laboratory Control Sample Duplicate

LCS: 317383
Analyzed: 01/08/2013 13:31
Units: ug/sample

LCSD: 317384
Analyzed: 01/08/2013 13:34

Analyte	Result	Target	% Recovery	QC Limits		Result	RPD	QC Limits	
Cadmium	9.83	10	98.3	89.8	112.5	9.94	1.06	0	15
Lead	105	100	105	88	115	106	0.894	0	15

QC Data Approved and Reviewed by

Penny A. Foote	Peter P. Steen	1/9/2013
Analyst	**Peer Review**	**Date**

Symbols and Definitions

* - Analyte above reporting limit or outside of control limits
▲ - Sample result is greater than 4 times the spike added
● - Sample and Matrix Duplicate less than 5 times the reporting limit

RPD - Relative % Difference (Spike / Spike Duplicate)
ND - Not Detected
QC results are not adjusted for moisture correction, where applicable

Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Environmental Laboratory			LRC Date: 01/09/2013				
Project Name: Exide, Frisco			Laboratory Job Number: 1300801				
Reviewer Name: Paul Pope			Prep Batch Number(s):				
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?			X		
		Were MS/MSD analyzed at the appropriate frequency?			X		
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?			X		
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?		X			
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?			X		
		Were all necessary corrective actions performed for the reported data?			X		
		Was applicable and available technology used to lower the SDL minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?			X		

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Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Environmental Laboratory			Laboratory Name: 01/09/2013				
Project Name: Exide, Frisco			Project Name: 1300801				
Reviewer Name: Paul Pope			Reviewer Name: Paul Pope				
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

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

Laboratory Review Checklist: Reportable Data		
Laboratory Name: ALS Environmental Laboratory		LRC Date: 01/09/2013
Project Name: Exide, Frisco		Laboratory Job Number: 1300801
Reviewer Name: Paul Pope		Prep Batch Number(s):
ER#[5]	**Description**	

W 1300801

Chain of Custody

ALS

1. ☐ **REGULAR Status** 1300801

☒ **RUSH Status Requested - ADDITIONAL CHARGE**
RESULTS REQUIRED BY 01.09.13
DATE
CONTACT ALS SALT LAKE PRIOR TO SENDING SAMPLES

2. Date 01.07.13 Purchase Order No. 21252

3. Company Name Remediation Services, inc.
Address PO Box 587
Independence, KS 67301
Person to Contact: Grant Sherwood
Telephone (620) 331-1200
Fax Telephone (620) 331-6216
E-mail Address gsherwood@rsi-ks.com
Billing Address (if different from above)

4. Quote No.
ALS Project Manager Paul Pope

5. **Sample Collection**
Sampling Site: Exide Frisco
Industrial Process: Decontamination and Demo
Date of Collection 01.07.13
Time Collected 7:00 – 17:00
Date of Shipment 01.07.13

Send Resilts to: gsherwood@rsi-ks.com, jrgillman@rsi-ks.com, vanessa.coleman@na.exide.com, droth@rsi-ks.com

Send Invoice to : strotter@rsi-ks.com

7. **REQUEST FOR ANALYSES**

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	EXDEMO130107 DW 526	37 um MCE	1971 L	NIOSH 7303 - Lead and Cadmium	ug/m^3
	EXDEMO130107 DW 001	37 um MCE	1997 L	NIOSH 7303 - Lead and Cadmium	ug/m^3
	EXDEMO130107 DW 607	37 um MCE	1988 L	NIOSH 7303 - Lead and Cadmium	ug/m^3
	EXDEMO130107 UW 605	37 um MCE	1902 L	NIOSH 7303 - Lead and Cadmium	ug/m^3
	EXDEMO130107 FB	37 um MCE	—	NIOSH 7303 - Lead and Cadmium	ug/m^3
		37 um MCE		NIOSH 7303 - Lead and Cadmium	ug/m^3

EX-DEMO = Project (Exide-Demolition)
YYMMDD = Sampling date (e.g., 11/01/2012 = 121101)
LOC = Sample Location (e.g. UW = Upwind, DW = Downwind)
XXX = E-BAM Monitor Sample Association – Last 3 digits of Serial Number,
QQ = Optional QA sample flag (TB = trip blank, FB = field blank, SC = duplicate)

Comments

Possible Contamination and/or Chemical Hazards: Lead and cadmium

7. Chain of Custody (Optional)

Relinquished by JOHNNY GILLMAN Date/Time 01.07.13 18:30
Received by Date/Time 01/08/13 0820
Relinquished by Date/Time
Received by Date/Time

960 West LeVoy Drive / Salt Lake City, UT 84123 **800-356-9135 or 801-266-7700 / FAX: 801-268-9992**
ALS Laboratory Group

ANALYTICAL REPORT

Report Date: January 11, 2013

Grant Sherwood
Remediation Services, Inc.
P.O. Box 587
2735 South 10th Street
Independence, KS 67301

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

Workorder: **34-1301004**
Client Project ID: 21252/Exide Frisco 011013
Purchase Order: 21252
Project Manager: Paul Pope

Analytical Results

Sample ID: **EX DEMO 130109 DW 526** Media: MCE Filter Collected: 01/09/2013
Lab ID: 1301004001 Sampling Location: Exide Frisco Received: 01/10/2013

Method: NIOSH 7300 Mod. **Sampling Parameter:** Air Volume 1901 L **Prepared:** 01/10/2013 **Analyzed:** 01/10/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.012	0.023	0.075
Lead	<0.38	<0.20	0.38	1.3

Sample ID: **EX DEMO 130109 DW 001** Media: MCE Filter Collected: 01/09/2013
Lab ID: 1301004002 Sampling Location: Exide Frisco Received: 01/10/2013

Method: NIOSH 7300 Mod. **Sampling Parameter:** Air Volume 1892 L **Prepared:** 01/10/2013 **Analyzed:** 01/10/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Cadmium	**(0.031)**	**(0.016)**	0.023	0.075
Lead	<0.38	<0.20	0.38	1.3

Sample ID: **EX DEMO 130109 DW 607** Media: MCE Filter Collected: 01/09/2013
Lab ID: 1301004003 Sampling Location: Exide Frisco Received: 01/10/2013

Method: NIOSH 7300 Mod. **Sampling Parameter:** Air Volume 1850 L **Prepared:** 01/10/2013 **Analyzed:** 01/10/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.012	0.023	0.075
Lead	<0.38	<0.20	0.38	1.3

Sample ID: **EX DEMO 130109 DW 605** Media: MCE Filter Collected: 01/09/2013
Lab ID: 1301004004 Sampling Location: Exide Frisco Received: 01/10/2013

Method: NIOSH 7300 Mod. **Sampling Parameter:** Air Volume 1823 L **Prepared:** 01/10/2013 **Analyzed:** 01/10/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.012	0.023	0.075

Results Continued on Next Page

ANALYTICAL REPORT

Workorder: **34-1301004**
Client Project ID: 21252/Exide Frisco 011013
Purchase Order: 21252
Project Manager: Paul Pope

Analytical Results

Sample ID: **EX DEMO 130109 DW 605** Media: MCE Filter Collected: 01/09/2013
Lab ID: 1301004004 Sampling Location: Exide Frisco Received: 01/10/2013

Method: NIOSH 7300 Mod. **Sampling Parameter: Air Volume 1823 L** **Prepared:** 01/10/2013 **Analyzed:** 01/10/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Lead	<0.38	<0.21	0.38	1.3

Report Authorization

Method	Analyst	Peer Review
NIOSH 7300 Mod.	Penny A. Foote	Whitney Redd

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.alsslc.com

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
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
Environmental	ACLASS (DoD ELAP)	ADE-1420	http://www.aclasscorp.com
	Utah (NELAC)	DATA1	http://health.utah.gov/lab/labimp/
	Nevada	UT00009	http://ndep.nv.gov/bsdw/labservice.htm
	Oklahoma	UT00009	http://www.deq.state.ok.us/CSDnew/
	Iowa	IA# 376	http://www.iowadnr.gov/InsideDNR/RegulatoryWater.aspx
	Florida (TNI)	E871067	http://www.dep.state.fl.us/labs/bars/sas/qa/
	Texas (TNI)	T104704456-11-1	http://www.tceq.texas.gov/field/qa/lab_accred_certif.html
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP/ELLAP)	101574	http://www.aihaaccreditedlabs.org
Lead Testing:			
CPSC	ACLASS (ISO 17025, CPSC)	ADE-1420	http://www.aclasscorp.com
Soil, Dust, Paint ,Air	AIHA (ISO 17025, AIHA ELLAP and NLLAP)	101574	http://www.aihaaccreditedlabs.org
Dietary Supplements	ACLASS (ISO 17025)	ADE-1420	http://www.aclasscorp.com

ANALYTICAL REPORT

Workorder: **34-1301004**
Client Project ID: 21252/Exide Frisco 011013
Purchase Order: 21252
Project Manager: Paul Pope

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

Quality Control Sample
Batch Report

Analysis Information

Workorder: **1301004**

Limits: Historical/Performance	**Preparation:** IH Metals, MCE Prep	**Analysis:** IH Metals QC
Basis: ALS Laboratory Group	**Batch:** IIPX/11676 (HBN: 100567)	**Batch:** IICP/7767 (HBN: 100593)
	Prepared By: Adam K. Taft	**Analyzed By:** Penny A. Foote

Blank

Blank: 317752
Analyzed: 01/10/2013 15:44
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	0.0225	0.075
Lead	ND	0.375	1.25

LMB: 317753
Analyzed: 01/10/2013 15:48
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	0.0225	0.075
Lead	ND	0.375	1.25

Laboratory Control Sample - Laboratory Control Sample Duplicate

LCS: 317754
Analyzed: 01/10/2013 15:52
Units: ug/sample

LCSD: 317755
Analyzed: 01/10/2013 15:55

Analyte	Result	Target	% Recovery	QC Limits		Result	RPD	QC Limits	
Cadmium	10	10	100	89.8	112.5	10.1	0.769	0	15
Lead	101	100	101	88	115	102	0.773	0	15

QC Data Approved and Reviewed by

Penny A. Foote	Whitney Redd	1/11/2013
Analyst	**Peer Review**	**Date**

Symbols and Definitions

* - Analyte above reporting limit or outside of control limits
▲ - Sample result is greater than 4 times the spike added
◆ - Sample and Matrix Duplicate less than 5 times the reporting limit

RPD - Relative % Difference (Spike / Spike Duplicate)
ND - Not Detected
QC results are not adjusted for moisture correction, where applicable

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Environmental Laboratory			LRC Date: 01/11/13					
Project Name: Exide, Frisco			Laboratory Job Number: 1301004					
Reviewer Name: Paul Pope			Prep Batch Number(s):					
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?			X		
		Were MS/MSD analyzed at the appropriate frequency?			X		
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?			X		
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?		X			
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?			X		
		Were all necessary corrective actions performed for the reported data?			X		
		Was applicable and available technology used to lower the SDL minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?			X		

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Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Environmental Laboratory			Laboratory Name: 01/11/13				
Project Name: Exide, Frisco			Project Name: 1301004				
Reviewer Name: Paul Pope			Reviewer Name: Paul Pope				
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

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

Laboratory Review Checklist: Reportable Data		
Laboratory Name: ALS Environmental Laboratory		LRC Date: 01/11/13
Project Name: Exide, Frisco		Laboratory Job Number: 1301004
Reviewer Name: Paul Pope		Prep Batch Number(s):
ER#[5]	**Description**	

W 1301004

Chain of Custody

1301004

1. ☐ **REGULAR Status**

☒ **RUSH Status Requested - ADDITIONAL CHARGE**
RESULTS REQUIRED BY 01.08.13
DATE
CONTACT ALS SALT LAKE PRIOR TO SENDING SAMPLES

2. Date 01.09.13 Purchase Order No. 21252

3. Company Name Remediation Services, inc.
Address PO Box 587
Independence, KS 67301
Person to Contact: Grant Sherwood
Telephone (620) 331-1200
Fax Telephone (620) 331-6216
E-mail Address gsherwood@rsi-ks.com
Billing Address (if different from above)

4. Quote No.
ALS Project Manager Paul Pope

5. **Sample Collection**
Sampling Site: Exide Frisco
Industrial Process: Decontamination and Demo
Date of Collection 01-09-13
Time Collected 7:00 - 17:00
Date of Shipment 01-09-13

Send Resilts to: gsherwood@rsi-ks.com, jrgillman@rsi-ks.com, vanessa.coleman@na.exide.com, droth@rsi-ks.com

Send Invoice to : strotter@rsi-ks.com

7. **REQUEST FOR ANALYSES**

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	Exdemo 130109 DW 526	37 um MCE	1901L	NIOSH 7303 - Lead and Cadmium	ug/m^3
	Exdemo 130109 DW 001	37 um MCE	1892L	NIOSH 7303 - Lead and Cadmium	ug/m^3
	Exdemo 130109 DW 607	37 um MCE	1850L	NIOSH 7303 - Lead and Cadmium	ug/m^3
	Exdemo 130109 UW 605	37 um MCE	1823L	NIOSH 7303 - Lead and Cadmium	ug/m^3
		37 um MCE		NIOSH 7303 - Lead and Cadmium	ug/m^3
		37 um MCE		NIOSH 7303 - Lead and Cadmium	ug/m^3

EX-DEMO = Project (Exide-Demolition)
YYMMDD = Sampling date (e.g., 11/01/2012 = 121101)
LOC = Sample Location (e.g. UW = Upwind, DW = Downwind)
XXX = E-BAM Monitor Sample Association – Last 3 digits of Serial Number,
QQ = Optional QA sample flag (TB = trip blank, FB = field blank, SC = duplicate)

Comments

Possible Contamination and/or Chemical Hazards: Lead and cadmium

7. Chain of Custody (Optional)

Relinquished by John McClure Date/Time 01.09.13 18:30
Received by Date/Time 01/10/13 0944
Relinquished by Date/Time
Received by Date/Time

960 West LeVoy Drive / Salt Lake City, UT 84123 **800-356-9135 or 801-266-7700 / FAX: 801-268-9992**
ALS Laboratory Group

ANALYTICAL REPORT

Report Date: January 15, 2013

Grant Sherwood
Remediation Services, Inc.
P.O. Box 587
2735 South 10th Street
Independence, KS 67301

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

Workorder: **34-1301407**
Client Project ID: 21252/Exide Frisco 011413
Purchase Order: 21252
Project Manager: Paul Pope

Analytical Results

Sample ID: **EX Demo 130111 DW 526** Media: MCE Filter Collected: 01/11/2013
Lab ID: 1301407001 Sampling Location: Exide Frisco Received: 01/14/2013

Method: NIOSH 7300 Mod. **Sampling Parameter:** Air Volume 1877 L **Prepared:** 01/14/2013 **Analyzed:** 01/14/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.058	<0.031	0.058	0.19
Lead	<0.38	<0.20	0.38	1.3

Sample ID: **EX Demo 130111 DW 001** Media: MCE Filter Collected: 01/11/2013
Lab ID: 1301407002 Sampling Location: Exide Frisco Received: 01/14/2013

Method: NIOSH 7300 Mod. **Sampling Parameter:** Air Volume 2008 L **Prepared:** 01/14/2013 **Analyzed:** 01/14/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.058	<0.029	0.058	0.19
Lead	<0.38	<0.19	0.38	1.3

Sample ID: **EX Demo 130111 DW 607** Media: MCE Filter Collected: 01/11/2013
Lab ID: 1301407003 Sampling Location: Exide Frisco Received: 01/14/2013

Method: NIOSH 7300 Mod. **Sampling Parameter:** Air Volume 1790 L **Prepared:** 01/14/2013 **Analyzed:** 01/14/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.058	<0.032	0.058	0.19
Lead	**(0.40)**	**(0.22)**	0.38	1.3

Sample ID: **EX Demo 130111 UW 605** Media: MCE Filter Collected: 01/11/2013
Lab ID: 1301407004 Sampling Location: Exide Frisco Received: 01/14/2013

Method: NIOSH 7300 Mod. **Sampling Parameter:** Air Volume 1768 L **Prepared:** 01/14/2013 **Analyzed:** 01/14/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.058	<0.033	0.058	0.19

Results Continued on Next Page

ANALYTICAL REPORT

Workorder: **34-1301407**
Client Project ID: 21252/Exide Frisco 011413
Purchase Order: 21252
Project Manager: Paul Pope

Analytical Results

Sample ID: **EX Demo 130111 UW 605** Media: MCE Filter Collected: 01/11/2013
Lab ID: 1301407004 Sampling Location: Exide Frisco Received: 01/14/2013

Method: NIOSH 7300 Mod. **Sampling Parameter: Air Volume 1768 L** **Prepared:** 01/14/2013 **Analyzed:** 01/14/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Lead	<0.38	<0.21	0.38	1.3

Report Authorization

Method	Analyst	Peer Review
NIOSH 7300 Mod.	Peter P. Steen	Christopher R. Hansen

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.alsslc.com

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
Samples have not been blank corrected unless otherwise noted.
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Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Environmental	ACLASS (DoD ELAP)	ADE-1420	http://www.aclasscorp.com
	Utah (NELAC)	DATA1	http://health.utah.gov/lab/labimp/
	Nevada	UT00009	http://ndep.nv.gov/bsdw/labservice.htm
	Oklahoma	UT00009	http://www.deq.state.ok.us/CSDnew/
	Iowa	IA# 376	http://www.iowadnr.gov/InsideDNR/RegulatoryWater.aspx
	Florida (TNI)	E871067	http://www.dep.state.fl.us/labs/bars/sas/qa/
	Texas (TNI)	T104704456-11-1	http://www.tceq.texas.gov/field/qa/lab_accred_certif.html
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP/ELLAP)	101574	http://www.aihaaccreditedlabs.org
Lead Testing:			
CPSC	ACLASS (ISO 17025, CPSC)	ADE-1420	http://www.aclasscorp.com
Soil, Dust, Paint ,Air	AIHA (ISO 17025, AIHA ELLAP and NLLAP)	101574	http://www.aihaaccreditedlabs.org
Dietary Supplements	ACLASS (ISO 17025)	ADE-1420	http://www.aclasscorp.com

ANALYTICAL REPORT

Workorder: **34-1301407**
Client Project ID: 21252/Exide Frisco 011413
Purchase Order: 21252
Project Manager: Paul Pope

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

Quality Control Sample
Batch Report

Analysis Information

Workorder: **1301407**

Limits: Historical/Performance
Basis: ALS Laboratory Group

Preparation: IH Metals, MCE Prep
Batch: IIPX/11688 (HBN: 100656)
Prepared By: Adam K. Taft

Analysis: IH Metals QC
Batch: IICP/7776 (HBN: 100686)
Analyzed By: Peter P. Steen

Blank

Blank: 317978
Analyzed: 01/14/2013 15:12
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	0.0578	0.193
Lead	ND	0.375	1.25

LMB: 317979
Analyzed: 01/14/2013 15:15
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	0.0578	0.193
Lead	ND	0.375	1.25

Laboratory Control Sample - Laboratory Control Sample Duplicate

LCS: 317980
Analyzed: 01/14/2013 15:18
Units: ug/sample

LCSD: 317981
Analyzed: 01/14/2013 15:21

Analyte	Result	Target	% Recovery	QC Limits		Result	RPD	QC Limits	
Cadmium	9.39	10	93.9	89.8	112.5	9.51	1.24	0	15
Lead	96.9	100	96.9	88	115	98.7	1.84	0	15

QC Data Approved and Reviewed by

Peter P. Steen	Christopher R. Hansen	1/15/2013
Analyst	**Peer Review**	**Date**

Symbols and Definitions

* - Analyte above reporting limit or outside of control limits
▲ - Sample result is greater than 4 times the spike added
● - Sample and Matrix Duplicate less than 5 times the reporting limit

RPD - Relative % Difference (Spike / Spike Duplicate)
ND - Not Detected
QC results are not adjusted for moisture correction, where applicable

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Environmental Laboratory			LRC Date: 01/15/2013					
Project Name: Exide, Frisco			Laboratory Job Number: 1301407					
Reviewer Name: Paul Pope			Prep Batch Number(s):					
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?			X		
		Were MS/MSD analyzed at the appropriate frequency?			X		
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?			X		
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?		X			
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?			X		
		Were all necessary corrective actions performed for the reported data?			X		
		Was applicable and available technology used to lower the SDL minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?			X		

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Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Environmental Laboratory			LRC Date: 01/15/2013				
Project Name: Exide, Frisco			Laboratory Job Number: 1301407				
Reviewer Name: Paul Pope			Reviewer Name: Paul Pope				
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

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

Laboratory Review Checklist: Reportable Data		
Laboratory Name: ALS Environmental Laboratory		LRC Date: 01/15/2013
Project Name: Exide, Frisco		Laboratory Job Number: 1301407
Reviewer Name: Paul Pope		Prep Batch Number(s):
ER#[5]	**Description**	

Chain of Custody

1301407

1301407

1. ☐ **REGULAR Status**

☒ **RUSH Status Requested - ADDITIONAL CHARGE**
RESULTS REQUIRED BY 1·19·13
DATE
CONTACT ALS SALT LAKE PRIOR TO SENDING SAMPLES

2. Date 01·11·13 Purchase Order No. 21252

3. Company Name Remediation Services, inc.

Address PO Box 587

Independence, KS 67301

Person to Contact: Grant Sherwood

Telephone (620) 331-1200

Fax Telephone (620) 331-6216

E-mail Address gsherwood@rsi-ks.com

Billing Address (if different from above)

4. Quote No.

ALS Project Manager Paul Pope

5. **Sample Collection**

Sampling Site: Exide Frisco

Industrial Process: Decontamination and Demo

Date of Collection 1·11·13

Time Collected 7:00 - 17:00

Date of Shipment 1·11·13

Send Resilts to: gsherwood@rsi-ks.com, jrgilliman@rsi-ks.com, vanessa.coleman@na.exide.com, droth@rsi-ks.com

Send Invoice to : strotter@rsi-ks.com

7. **REQUEST FOR ANALYSES**

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	Exdemo 130111 DW 526	37 um MCE	1877L	NIOSH 7303 - Lead and Cadmium	ug/m^3
	Exdemo 130111 DW 001	37 um MCE	2008L	NIOSH 7303 - Lead and Cadmium	ug/m^3
	Exdemo 130111 DW 607	37 um MCE	1790L	NIOSH 7303 - Lead and Cadmium	ug/m^3
	Exdemo 130111 UW 605	37 um MCE	1768L	NIOSH 7303 - Lead and Cadmium	ug/m^3
		37 um MCE		NIOSH 7303 - Lead and Cadmium	ug/m^3
		37 um MCE		NIOSH 7303 - Lead and Cadmium	ug/m^3

EX-DEMO = Project (Exide-Demolition)
YYMMDD = Sampling date (e.g., 11/01/2012 = 121101)
LOC = Sample Location (e.g. UW = Upwind, DW = Downwind)
XXX = E-BAM Monitor Sample Association – Last 3 digits of Serial Number,
QQ = Optional QA sample flag (TB = trip blank, FB = field blank, SC = duplicate)

Comments

Possible Contamination and/or Chemical Hazards: Lead and cadmium

7. **Chain of Custody (Optional)**

Relinquished by John McClure Date/Time 01·11·13 18:30

Received by Date/Time 01/14/13 0948

Relinquished by Date/Time

Received by Date/Time

960 West LeVoy Drive / Salt Lake City, UT 84123 **800-356-9135 or 801-266-7700 / FAX: 801-268-9992**
ALS Laboratory Group