APPENDIX D
Off-Site Disposal and Import Scale Ticket Summary

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Table D-1 - Export Scale Ticket Summary

Dredged Sediment Spoils

Total Tons 10,138.72

Ticket Date	Load Ticket Number	Disposal Ticket Number	Tons	Product	Trucking Company	Disposal Company
12/10/13	11157	73102 / 73119	31.27	envcleanup /export	Walrath Transfer	Waste Management
12/10/13	11156	73100 / 73117	38.02	envcleanup /export	Transfer	Waste Management
12/11/13	11170	73149	35.88	envcleanup /export	Transfer	Waste Management
12/11/13	11170	73181	35.03	envcleanup /export	Transfer	Waste Management
12/11/13	11171	73145	38.93	envcleanup /export	Transfer	Waste Management
12/11/13	11171	73174	35.22	envcleanup /export	Transfer	Waste Management
12/12/13	780795	620533	3.50	Heavy Scrap	Seattle Iron & Metals	Seattle Iron & Metals
12/12/13	780767	620498	4.95	Heavy Scrap	Seattle Iron & Metals	Seattle Iron & Metals
12/13/13	12238	73292	21.82	envcleanup /export mud	Walrath Solo	Waste Management
12/13/13	12238	73299	21.13	envcleanup /export mud	Walrath Solo	Waste Management
12/13/13	12238	73311	13.26	envcleanup /export mud	Walrath Solo	Waste Management
12/13/13	12238	73322	17.30	envcleanup /export mud	Walrath Solo	Waste Management
12/13/13	12238	73332	14.95	envcleanup /export mud	Walrath Solo	Waste Management
12/13/13	12238	73354	13.01	envcleanup /export mud	Walrath Solo	Waste Management
12/13/13	12240	73290	16.93	envcleanup /export mud	Walrath Solo	Waste Management
12/13/13	12240	73298	22.45	envcleanup /export mud	Walrath Solo	Waste Management
12/13/13	12240	73310	18.39	envcleanup /export mud	Walrath Solo	Waste Management
12/13/13	12240	73321	16.78	envcleanup /export mud	Walrath Solo	Waste Management
12/13/13	12240	73327	16.74	envcleanup /export mud	Walrath Solo	Waste Management
12/13/13	12240	73349	10.11	envcleanup /export mud	Walrath Solo	Waste Management
12/13/13	12240	73357	13.89	envcleanup /export mud	Walrath Solo	Waste Management
12/13/13	66109	73295	27.28	envcleanup	Grady Sidedump	Waste Management
12/13/13	66109	73305	30.30	envcleanup	Grady Sidedump	Waste Management
12/13/13	66109	73317	25.18	envcleanup	Grady Sidedump	Waste Management
12/13/13	66109	73326	23.29	envcleanup	Grady Sidedump	Waste Management
12/13/13	66109	73350	22.38	envcleanup	Grady Sidedump	Waste Management
12/13/13	68346	73294	28.13	envcleanup	Grady Sidedump	Waste Management
12/13/13	68346	73306	22.86	envcleanup	Grady Sidedump	Waste Management

Table D-1 - Export Scale Ticket Summary

12/13/13	68346	73320	26.31	envcleanup	Grady Sidedump	Waste Management
12/13/13	68346	73331	23.75	envcleanup	Grady Sidedump	Waste Management
12/13/13	68346	73353	23.31	envcleanup	Grady Sidedump	Waste Management
12/16/13	12241	73387	16.25	envcleanup /export mud	Walrath Solo	Waste Management
12/16/13	12241	73400	17.23	envcleanup /export mud	Walrath Solo	Waste Management
12/16/13	12241	73411	12.41	envcleanup /export mud	Walrath Solo	Waste Management
12/16/13	12241	73422	13.10	envcleanup /export mud	Walrath Solo	Waste Management
12/16/13	12241	73435	11.28	envcleanup /export mud	Walrath Solo	Waste Management
12/16/13	12239	73391	12.99	envcleanup /export mud	Walrath Solo	Waste Management
12/16/13	12239	73403	11.43	envcleanup /export mud	Walrath Solo	Waste Management
12/16/13	12239	73418	14.66	envcleanup /export mud	Walrath Solo	Waste Management
12/16/13	12239	73426	12.43	envcleanup /export mud	Walrath Solo	Waste Management
12/16/13	12265	73390	12.30	envcleanup /export mud	Walrath Solo	Waste Management
12/16/13	12265	73402	15.52	envcleanup /export mud	Walrath Solo	Waste Management
12/16/13	12265	73417	11.58	envcleanup /export mud	Walrath Solo	Waste Management
12/16/13	12265	73425	13.09	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12043	73629	9.70	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12043	73638	12.21	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12043	73645	14.45	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12043	73659	11.95	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12043?	73665	12.62	envcleanup	Walrath	Waste Management
12/20/13	11951	73630	14.25	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	11951	73639	11.71	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	11951	73647	13.66	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	11951	73654	12.58	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	11951	73661	13.25	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	11951	73667	12.36	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12037	73628	11.03	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12037	73637	23.33	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12269	73632	9.54	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12269	73642	13.84	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12269	73648	13.02	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12269	73656	12.34	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12269	73663	11.43	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12270	73626	12.20	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12270	73633	12.83	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12270	73643	16.59	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12270	73649	14.45	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12270	73657	17.93	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12270	73664	14.69	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12271	73624	15.68	envcleanup /export mud	Walrath Solo	Waste Management

Table D-1 - Export Scale Ticket Summary

12/20/13	12271	73627	12.64	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12271	73631	13.52	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12271	73640	17.77	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12271	73646	14.30	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	12271	73652	16.47	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	13666	73660	14.31	envcleanup /export mud	Walrath Solo	Waste Management
12/20/13	13666	73666	14.63	envcleanup	Walrath	Waste Management
12/20/13	12043?	73651	11.81	envcleanup	Walrath	Waste Management
12/23/13	12042	73713	13.56	envcleanup	Walrath	Waste Management
12/23/13	12042	73700	13.87	envcleanup	Walrath	Waste Management
12/23/13	12042	73690	14.40	envcleanup	Walrath	Waste Management
12/23/13	12042	73679	15.95	envcleanup	Walrath	Waste Management
12/23/13	13764	73676	13.82	envcleanup	Walrath	Waste Management
12/23/13	13764	73683	12.81	envcleanup	Walrath	Waste Management
12/23/13	13764	73693	11.68	envcleanup	Walrath	Waste Management
12/23/13	13764	73702	12.11	envcleanup	Walrath	Waste Management
12/23/13	13764	73720	12.38	envcleanup	Walrath	Waste Management
12/23/13	13764	902748	11.70	envcleanup	Walrath	Regional Disposal
12/23/13	13753	73688	13.91	envcleanup	Walrath	Waste Management
12/23/13	13753	73698	14.45	envcleanup	Walrath	Waste Management
12/23/13	13753	73708	13.36	envcleanup	Walrath	Waste Management
12/23/13	13753	73732	13.17	envcleanup	Walrath	Waste Management
12/23/13	12049	73677	12.34	envcleanup	Walrath	Waste Management
12/23/13	12049	73684	11.51	envcleanup	Walrath	Waste Management
12/23/13	12049	73695	11.98	envcleanup	Walrath	Waste Management
12/23/13	12049	73706	12.94	envcleanup	Walrath	Waste Management
12/23/13	12049	73726	11.54	envcleanup	Walrath	Waste Management
12/23/13	12049	902744	16.13	envcleanup	Walrath	Regional Disposal
12/23/13	13754	73672	13.96	envcleanup	Walrath	Waste Management
12/23/13	13754	73680	14.91	envcleanup	Walrath	Waste Management
12/23/13	13754	73691	14.85	envcleanup	Walrath	Waste Management
12/23/13	13754	73701	15.32	envcleanup	Walrath	Waste Management
12/23/13	13754	73715	13.21	envcleanup	Walrath	Waste Management
12/31/13	11801	73934	14.96	envleanup	Walrath	Waste Management
12/31/13	11801	73942	16.76	envleanup	Walrath	Waste Management
12/31/13	11801	73952	14.03	envleanup	Walrath	Waste Management
12/31/13	11801	73965	18.57	envleanup	Walrath	Waste Management
12/31/13	11801	73981	16.41	envleanup	Walrath	Waste Management
12/31/13	11801	73991	16.7	envleanup	Walrath	Waste Management
12/31/13	11801	74001	15.45	envleanup	Walrath	Waste Management
12/31/13	11802	73935	16.34	envleanup	Walrath	Waste Management
12/31/13	11802	73944	15.67	envleanup	Walrath	Waste Management
12/31/13	11802	73953	16.39	envleanup	Walrath	Waste Management
12/31/13	11802	73967	18.4	envleanup	Walrath	Waste Management

Table D-1 - Export Scale Ticket Summary

12/31/13	11802	73984	18.53	envleanup	Walrath	Waste Management
12/31/13	11802	73993	15.64	envleanup	Walrath	Waste Management
12/31/13	11802	74002	16.08	envleanup	Walrath	Waste Management
12/31/13	11804	73937	14.76	envleanup	Walrath	Waste Management
12/31/13	11804	73948	15.08	envleanup	Walrath	Waste Management
12/31/13	11804	73957	12	envleanup	Walrath	Waste Management
12/31/13	11804	73970	14.27	envleanup	Walrath	Waste Management
12/31/13	11804	73987	14.53	envleanup	Walrath	Waste Management
12/31/13	11804	73996	14.99	envleanup	Walrath	Waste Management
12/31/13	11805	73940	12.3	envleanup	Walrath	Waste Management
12/31/13	11805	73949	9.38	envleanup	Walrath	Waste Management
12/31/13	11805	73958	13.88	envleanup	Walrath	Waste Management
12/31/13	11805	73971	13.05	envleanup	Walrath	Waste Management
12/31/13	11805	73988	16.15	envleanup	Walrath	Waste Management
12/31/13	11805	73998	13.69	envleanup	Walrath	Waste Management
12/31/13	11806	73941	16.03	envleanup	Walrath	Waste Management
12/31/13	11806	73950	15.17	envleanup	Walrath	Waste Management
12/31/13	11806	73963	12.53	envleanup	Walrath	Waste Management
12/31/13	11806	73979	16.27	envleanup	Walrath	Waste Management
12/31/13	11806	73990	14.91	envleanup	Walrath	Waste Management
12/31/13	11806	74000	13.93	envleanup	Walrath	Waste Management
01/02/14	11803	74013	11.77	envleanup	Walrath	Waste Management
01/02/14	11803	74022	15.79	envleanup	Walrath	Waste Management
01/02/14	11803	74037	12.66	envleanup	Walrath	Waste Management
01/02/14	13976	74010	16.95	envleanup	Walrath	Waste Management
01/02/14	13976	74017	15.61	envleanup	Walrath	Waste Management
01/02/14	13976	74029	14.22	envleanup	Walrath	Waste Management
01/02/14	13976	74043	15.54	envleanup	Walrath	Waste Management
01/02/14	13978	74006	16.28	envleanup	Walrath	Waste Management
01/02/14	13978	74015	16.77	envleanup	Walrath	Waste Management
01/02/14	13978	74025	15.97	envleanup	Walrath	Waste Management
01/02/14	13978	74038	16.62	envleanup	Walrath	Waste Management
01/02/14	13987	74012	13.71	envleanup	Walrath	Waste Management
01/02/14	13987	74019	15.00	envleanup	Walrath	Waste Management
01/02/14	13987	74031	11.61	envleanup	Walrath	Waste Management
01/06/14	13491	74148	15.48	envcleanup	Walrath	Waste Management
01/06/14	13491	74098	16.34	envcleanup	Walrath	Waste Management
01/06/14	13491	74103	14.45	envcleanup	Walrath	Waste Management
01/06/14	13491	74113	15.48	envcleanup	Walrath	Waste Management
01/06/14	13491	74123	16.45	envcleanup	Walrath	Waste Management
01/06/14	13491	74138	17.50	envcleanup	Walrath	Waste Management
01/06/14	13491	74130	14.74	envcleanup	Walrath	Waste Management
01/06/14	13492	74152	17.56	envcleanup	Walrath	Waste Management
01/06/14	13492	74140	16.87	envcleanup	Walrath	Waste Management

Table D-1 - Export Scale Ticket Summary

01/06/14	13492	74132	16.41	envcleanup	Walrath	Waste Management
01/06/14	13492	74124	18.72	envcleanup	Walrath	Waste Management
01/06/14	13492	74114	15.08	envcleanup	Walrath	Waste Management
01/06/14	13492	74104	11.23	envcleanup	Walrath	Waste Management
01/06/14	13492	74097	15.75	envcleanup	Walrath	Waste Management
01/06/14	13493	74101	12.53	envcleanup	Walrath	Waste Management
01/06/14	13493	74145	13.77	envcleanup	Walrath	Waste Management
01/06/14	13493	74116	15.89	envcleanup	Walrath	Waste Management
01/06/14	13493	74105	13.38	envcleanup	Walrath	Waste Management
01/06/14	13493	74125	14.84	envcleanup	Walrath	Waste Management
01/06/14	13493	74134	14.36	envcleanup	Walrath	Waste Management
01/06/14	13494	74150	14.57	envcleanup	Walrath	Waste Management
01/06/14	13494	74096	16.03	envcleanup	Walrath	Waste Management
01/06/14	13494	74102	13.06	envcleanup	Walrath	Waste Management
01/06/14	13494	74112	13.51	envcleanup	Walrath	Waste Management
01/06/14	13494	74120	13.31	envcleanup	Walrath	Waste Management
01/06/14	13494	74137	14.42	envcleanup	Walrath	Waste Management
01/06/14	13494	74128	12.76	envcleanup	Walrath	Waste Management
01/09/14	15311	74394	12.24	envcleanup	Walrath	Waste Management
01/09/14	15311	903273	12.09	sludge	Walrath	Regional Disposal
01/09/14	15311	903287	10.99	sludge	Walrath	Regional Disposal
01/09/14	15311	903300	11.97	sludge	Walrath	Regional Disposal
01/09/14	15311	903309	12.78	sludge	Walrath	Regional Disposal
01/09/14	15311	903319	11.47	sludge	Walrath	Regional Disposal
01/09/14	15313	903265	11.77	sludge	Walrath	Regional Disposal
01/09/14	15313	903279	11.70	sludge	Walrath	Regional Disposal
01/09/14	15313	903317	16.37	sludge	Walrath	Regional Disposal
01/09/14	15314	903264	12.91	sludge	Walrath	Regional Disposal
01/09/14	15314	903277	11.86	sludge	Walrath	Regional Disposal
01/09/14	15314	903316	18.53	sludge	Walrath	Regional Disposal
01/09/14	15320	903267	9.57	sludge	Walrath	Regional Disposal
01/09/14	15320	903284	10.11	sludge	Walrath	Regional Disposal
01/09/14	15320	903299	9.51	sludge	Walrath	Regional Disposal
01/09/14	15320	903308	11.71	sludge	Walrath	Regional Disposal
01/09/14	15320	903327	10.45	sludge	Walrath	Regional Disposal
01/09/14		903318	11.63	sludge	Walrath	Regional Disposal
01/09/14	15313	74353	14.94	envcleanup	Walrath	Waste Management
01/09/14	15313	74367	13.39	envcleanup	Walrath	Waste Management
01/09/14	15313	74392	15.64	envcleanup	Walrath	Waste Management
01/09/14	15313	74399	15.07	envcleanup	Walrath	Waste Management
01/09/14	15314	74351	15.48	envcleanup	Walrath	Waste Management
01/09/14	15314	74365	13.87	envcleanup	Walrath	Waste Management
01/09/14	15314	74391	16.35	envcleanup	Walrath	Waste Management
01/09/14	15314	74398	15.67	envcleanup	Walrath	Waste Management

Table D-1 - Export Scale Ticket Summary

01/09/14	15318	74334	11.68	envcleanup	Walrath	Waste Management
01/09/14	15318	74347	12.46	envcleanup	Walrath	Waste Management
01/09/14	15318	74359	12.20	envcleanup	Walrath	Waste Management
01/09/14	15318	74375	13.29	envcleanup	Walrath	Waste Management
01/09/14	15318	74390	11.33	envcleanup	Walrath	Waste Management
01/09/14	15318	74397	9.71	envcleanup	Walrath	Waste Management
01/09/14	15319	74357	11.59	envcleanup	Walrath	Waste Management
01/09/14	15319	74372	11.95	envcleanup	Walrath	Waste Management
01/09/14	15319	74388	12.31	envcleanup	Walrath	Waste Management
01/09/14	15319	74396	10.52	envcleanup	Walrath	Waste Management
01/09/14	15321	74333	12.30	envcleanup	Walrath	Waste Management
01/09/14	15321	74344	10.54	envcleanup	Walrath	Waste Management
01/09/14	15321	74355	13.80	envcleanup	Walrath	Waste Management
01/09/14	15321	74369	12.87	envcleanup	Walrath	Waste Management
01/09/14	15321	74386	13.35	envcleanup	Walrath	Waste Management
01/09/14	15321	74395	11.60	envcleanup	Walrath	Waste Management
01/10/14		74417	12.69	envcleanup	Scarsella	Waste Management
01/10/14		74407	9.96	envcleanup	Scarsella	Waste Management
01/10/14		74430	9.70	envcleanup	Scarsella	Waste Management
01/10/14		74426	10.02	envcleanup	Scarsella	Waste Management
01/10/14		74436	11.78	envcleanup	Scarsella	Waste Management
01/10/14		74440	8.02	envcleanup	Scarsella	Waste Management
01/10/14		74405	11.07	envcleanup	Scarsella	Waste Management
01/10/14		74421	10.13	envcleanup	Scarsella	Waste Management
01/10/14		74428	11.75	envcleanup	Scarsella	Waste Management
01/10/14		74433	10.27	envcleanup	Scarsella	Waste Management
01/10/14		74441	10.59	envcleanup	Scarsella	Waste Management
01/10/14		74406	11.58	envcleanup	Scarsella	Waste Management
01/10/14		74418	12.43	envcleanup	Scarsella	Waste Management
01/10/14		74425	12.86	envcleanup	Scarsella	Waste Management
01/10/14		74429	13.13	envcleanup	Scarsella	Waste Management
01/10/14		74435	11.95	envcleanup	Scarsella	Waste Management
01/10/14		74443	12.60	envcleanup	Scarsella	Waste Management
01/16/14	15412	903492	13.37	sludge	Walrath	Regional Disposal
01/16/14	15412	903518	11.79	sludge	Walrath	Regional Disposal
01/16/14	15412	74663	13.01	envcleanup	Walrath	Waste Management
01/16/14	15412	74691	11.96	envcleanup	Walrath	Waste Management
01/16/14	15412	74703	12.87	envcleanup	Walrath	Waste Management
01/16/14	15412	74719	11.83	envcleanup	Walrath	Waste Management
01/16/14	15413	74642	12.19	envcleanup	Walrath	Waste Management
01/16/14	15413	74658	10.17	envcleanup	Walrath	Waste Management
01/16/14	15413	74674	12.10	envcleanup	Walrath	Waste Management
01/16/14	15413	74687	10.65	envcleanup	Walrath	Waste Management
01/16/14	15413	74702	9.07	envcleanup	Walrath	Waste Management

Table D-1 - Export Scale Ticket Summary

01/16/14	15413	74716	9.39	envcleanup	Walrath	Waste Management
01/16/14	15414	74632	11.22	envcleanup	Walrath	Waste Management
01/16/14	15414	74646	11.07	envcleanup	Walrath	Waste Management
01/16/14	15414	74661	11.63	envcleanup	Walrath	Waste Management
01/16/14	15414	74684	10.41	envcleanup	Walrath	Waste Management
01/16/14	15414	74695	9.93	envcleanup	Walrath	Waste Management
01/16/14	15414	74712	9.66	envcleanup	Walrath	Waste Management
01/16/14	15414	74723	9.19	envcleanup	Walrath	Waste Management
01/16/14	15415	74631	18.25	envcleanup	Walrath	Waste Management
01/16/14	15415	74644	10.95	envcleanup	Walrath	Waste Management
01/16/14	15415	74660	11.27	envcleanup	Walrath	Waste Management
01/16/14	15415	74679	9.53	envcleanup	Walrath	Waste Management
01/16/14	15415	74692	8.73	envcleanup	Walrath	Waste Management
01/16/14	15415	74705	9.26	envcleanup	Walrath	Waste Management
01/16/14	15415	74722	9.74	envcleanup	Walrath	Waste Management
01/16/14	15421	74637	12.45	envcleanup	Walrath	Waste Management
01/16/14	15421	74652	11.89	envcleanup	Walrath	Waste Management
01/16/14	15421	74672	12.67	envcleanup	Walrath	Waste Management
01/16/14	15421	74686	9.64	envcleanup	Walrath	Waste Management
01/16/14	15421	74699	10.27	envcleanup	Walrath	Waste Management
01/16/14	15421	74714	12.27	envcleanup	Walrath	Waste Management
01/16/14	15417	74633	10.53	envcleanup	Walrath	Waste Management
01/16/14	15417	74664	9.54	envcleanup	Walrath	Waste Management
01/16/14	15417	74693	9.33	envcleanup	Walrath	Waste Management
01/16/14	15417	903493	11.08	sludge	Walrath	Regional Disposal
01/16/14	15417	903520	8.94	sludge	Walrath	Regional Disposal
01/16/14	15417	903546	9.87	sludge	Walrath	Regional Disposal
01/16/14	15417	74718	9.67	envcleanup	Walrath	Waste Management
01/16/14	15411	74656	14.16	envcleanup	Walrath	Waste Management
01/16/14	15411	74721	12.63	envcleanup	Walrath	Waste Management
01/16/14	15411	903510	12.28	sludge	Walrath	Regional Disposal
01/16/14	15411	903519	10.41	sludge	Walrath	Regional Disposal
01/16/14	15411	903535	11.61	sludge	Walrath	Regional Disposal
01/16/14	15411	903550	13.50	sludge	Walrath	Regional Disposal
01/17/14	16310	74730	10.92	envcleanup	Walrath	Waste Management
01/17/14	16310	74741	11.81	envcleanup	Walrath	Waste Management
01/17/14	16310	74749	11.10	envcleanup	Walrath	Waste Management
01/17/14	16310	74762	10.67	envcleanup	Walrath	Waste Management
01/17/14	16310	74770	11.64	envcleanup	Walrath	Waste Management
01/17/14	16310	74781	10.34	envcleanup	Walrath	Waste Management
01/17/14	16310	74784	10.47	envcleanup	Walrath	Waste Management
01/21/14	785670	622597	6.75	Heavy Scrap	Seattle Iron & Metals	Seattle Iron & Metals

Table D-1 - Export Scale Ticket Summary

01/23/14	785932	622794	8.05	Heavy Scrap	Seattle Iron & Metals	Seattle Iron & Metals
01/29/14	12604	75355	10.73	envcleanup	Scarsella	Waste Management
01/29/14	12604	75294	11.59	envcleanup	Scarsella	Waste Management
01/29/14	12604	75305	11.75	envcleanup	Scarsella	Waste Management
01/29/14	12604	75326	11.57	envcleanup	Scarsella	Waste Management
01/29/14	12604	75342	10.29	envcleanup	Scarsella	Waste Management
01/29/14	14203	75295	12.88	envcleanup	Scarsella	Waste Management
01/29/14	14203	75308	11.93	envcleanup	Scarsella	Waste Management
01/29/14	14203	75327	14.29	envcleanup	Scarsella	Waste Management
01/29/14	14203	75345	12.02	envcleanup	Scarsella	Waste Management
01/29/14	14203	75356	8.43	envcleanup	Scarsella	Waste Management
01/29/14	66133	75300	21.79	envcleanup	Grady Sidedump	Waste Management
01/29/14	66133	75315	20.44	envcleanup	Grady Sidedump	Waste Management
01/29/14	66133	75333	26.10	envcleanup	Grady Sidedump	Waste Management
01/29/14	66133	75350	22.19	envcleanup	Grady Sidedump	Waste Management
01/29/14	66133	75360	19.59	envcleanup	Grady Sidedump	Waste Management
01/29/14	67714	75304	20.73	envcleanup	Grady Sidedump	Waste Management
01/29/14	67714	75324	21.84	envcleanup	Grady Sidedump	Waste Management
01/29/14	67714	75340	17.08	envcleanup	Grady Sidedump	Waste Management
01/29/14	67714	75352	21.22	envcleanup	Grady Sidedump	Waste Management
01/29/14	67714	75362	14.49	envcleanup	Grady Sidedump	Waste Management
01/29/14	67173	75314	20.59	envcleanup	Grady Sidedump	Waste Management
01/29/14	67173	75332	17.37	envcleanup	Grady Sidedump	Waste Management
01/29/14	67173	75348	23.41	envcleanup	Grady Sidedump	Waste Management
01/29/14	67173	75359	18.89	envcleanup	Grady Sidedump	Waste Management
01/29/14	66716	75302	20.80	envcleanup	Grady Sidedump	Waste Management
01/29/14	66716	75319	24.48	envcleanup	Grady Sidedump	Waste Management

Table D-1 - Export Scale Ticket Summary

01/29/14	66716	75337	21.67	envcleanup	Grady Sidedump	Waste Management
01/29/14	66716	75351	20.45	envcleanup	Grady Sidedump	Waste Management
01/29/14	66716	75361	18.59	envcleanup	Grady Sidedump	Waste Management
01/29/14	13902	75357	10.80	envcleanup	Scarsella	Waste Management
01/29/14	13902	75346	13.48	envcleanup	Scarsella	Waste Management
01/29/14	13902	75329	13.67	envcleanup	Scarsella	Waste Management
01/29/14	13902	75311	12.80	envcleanup	Scarsella	Waste Management
01/29/14	13902	75296	10.32	envcleanup	Scarsella	Waste Management
01/29/14	13952	75303	10.02	envcleanup	Scarsella	Waste Management
01/29/14	13952	75293	11.89	envcleanup	Scarsella	Waste Management
01/29/14	13952	75341	11.01	envcleanup	Scarsella	Waste Management
01/29/14	13952	75325	12.53	envcleanup	Scarsella	Waste Management
01/29/14	13952	75353	8.48	envcleanup	Scarsella	Waste Management
01/30/14	6671_	75396	19.10	envcleanup	Grady Sidedump	Waste Management
01/30/14	6671_	75381	16.16	envcleanup	Grady Sidedump	Waste Management
01/30/14	6671_	75364	17.19	envcleanup	Grady Sidedump	Waste Management
01/30/14	66134	75383	18.22	envcleanup	Grady Sidedump	Waste Management
01/30/14	66134	75365	17.49	envcleanup	Grady Sidedump	Waste Management
01/30/14		75384	19.56	envcleanup	Grady Sidedump	Waste Management
01/30/14		75367	18.66	envcleanup	Grady Sidedump	Waste Management
01/30/14		75394	22.03	envcleanup	Grady Sidedump	Waste Management
01/30/14		75380	17.29	envcleanup	Grady Sidedump	Waste Management
01/30/14		75363	18.23	envcleanup	Grady Sidedump	Waste Management
01/30/14		75372	11.05	envcleanup	Scarsella	Waste Management
01/30/14		75386	12.41	envcleanup	Scarsella	Waste Management
01/30/14		75401	12.81	envcleanup	Scarsella	Waste Management
01/30/14		75403	12.15	envcleanup	Scarsella	Waste Management
01/30/14		75387	12.20	envcleanup	Scarsella	Waste Management
01/30/14		75375	9.07	envcleanup	Scarsella	Waste Management
01/30/14		75376	9.13	envcleanup	Scarsella	Waste Management
01/30/14		75389	11.23	envcleanup	Scarsella	Waste Management

Table D-1 - Export Scale Ticket Summary

01/30/14		75404	12.29	envcleanup	Scarsella	Waste Management
01/30/14		75400	10.19	envcleanup	Scarsella	Waste Management
01/30/14		75385	10.78	envcleanup	Scarsella	Waste Management
01/30/14		75369	10.28	envcleanup	Scarsella	Waste Management
02/03/14		75577	14.39	envcleanup	Grady Sidedump	Waste Management
02/03/14		75569	14.90	envcleanup	Grady Sidedump	Waste Management
02/03/14		75562	17.60	envcleanup	Grady Sidedump	Waste Management
02/03/14		75552	18.20	envcleanup	Grady Sidedump	Waste Management
02/03/14		75544	17.73	envcleanup	Grady Sidedump	Waste Management
02/03/14		75531	23.90	envcleanup	Grady Sidedump	Waste Management
02/03/14		75522	22.07	envcleanup	Grady Sidedump	Waste Management
02/03/14		75575	15.75	envcleanup	Grady Sidedump	Waste Management
02/03/14		75568	15.76	envcleanup	Grady Sidedump	Waste Management
02/03/14		75561	15.80	envcleanup	Grady Sidedump	Waste Management
02/03/14		75551	19.76	envcleanup	Grady Sidedump	Waste Management
02/03/14		75543	20.37	envcleanup	Grady Sidedump	Waste Management
02/03/14		75530	23.71	envcleanup	Grady Sidedump	Waste Management
02/03/14		75521	22.20	envcleanup	Grady Sidedump	Waste Management
02/03/14		75582	9.74	envcleanup	Scarsella	Waste Management
02/03/14		75573	9.50	envcleanup	Scarsella	Waste Management
02/03/14		75567	11.56	envcleanup	Scarsella	Waste Management
02/03/14		75556	13.04	envcleanup	Scarsella	Waste Management
02/03/14		75548	11.74	envcleanup	Scarsella	Waste Management
02/03/14		75541	14.15	envcleanup	Scarsella	Waste Management
02/03/14		75529	17.66	envcleanup	Scarsella	Waste Management
02/03/14	14205	75581	8.00	envcleanup	Scarsella	Waste Management
02/03/14	14205	75572	9.47	envcleanup	Scarsella	Waste Management
02/03/14	14205	75566	10.16	envcleanup	Scarsella	Waste Management
02/03/14	14205	75555	11.52	envcleanup	Scarsella	Waste Management
02/03/14	14205	75547	12.63	envcleanup	Scarsella	Waste Management

Table D-1 - Export Scale Ticket Summary

02/03/14	14205	75528	13.87	envcleanup	Scarsella	Waste Management
02/03/14	14205	75539	13.74	envcleanup	Scarsella	Waste Management
02/03/14	14051	75580	8.74	envcleanup	Scarsella	Waste Management
02/03/14	14051	75571	10.29	envcleanup	Scarsella	Waste Management
02/03/14	14051	75565	10.66	envcleanup	Scarsella	Waste Management
02/03/14	14051	75554	11.72	envcleanup	Scarsella	Waste Management
02/03/14	14051	75546	14.52	envcleanup	Scarsella	Waste Management
02/03/14	14051	75537	15.16	envcleanup	Scarsella	Waste Management
02/03/14	14051	75527	14.39	envcleanup	Scarsella	Waste Management
02/03/14	12606	75579	7.44	envcleanup	Scarsella	Waste Management
02/03/14	12606	75526	14.52	envcleanup	Scarsella	Waste Management
02/03/14	12606	75534	16.38	envcleanup	Scarsella	Waste Management
02/03/14	12606	75545	10.46	envcleanup	Scarsella	Waste Management
02/03/14	12606	75553	11.41	envcleanup	Scarsella	Waste Management
02/03/14	12606	75563	11.95	envcleanup	Scarsella	Waste Management
02/03/14	12606	75570	9.78	envcleanup	Scarsella	Waste Management
02/06/14		75637	13.19	envcleanup	Scarsella	Waste Management
02/06/14		75658	10.91	envcleanup	Scarsella	Waste Management
02/06/14		75681	10.04	envcleanup	Scarsella	Waste Management
02/06/14		75711	10.02	envcleanup	Scarsella	Waste Management
02/06/14		75736	8.36	envcleanup	Scarsella	Waste Management
02/06/14	14206	75634	11.90	envcleanup	Scarsella	Waste Management
02/06/14	14206	75655	11.78	envcleanup	Scarsella	Waste Management
02/06/14	14206	75679	11.46	envcleanup	Scarsella	Waste Management
02/06/14	14206	75709	10.42	envcleanup	Scarsella	Waste Management
02/06/14	14206	75733	9.32	envcleanup	Scarsella	Waste Management
02/06/14	14054	75633	12.06	envcleanup	Scarsella	Waste Management
02/06/14	14054	75654	11.37	envcleanup	Scarsella	Waste Management
02/06/14	14054	75678	9.6	envcleanup	Scarsella	Waste Management
02/06/14	14054	75708	10.28	envcleanup	Scarsella	Waste Management
02/06/14	14054	75732	8.52	envcleanup	Scarsella	Waste Management
02/06/14	12607	75638	12.57	envcleanup	Scarsella	Waste Management
02/06/14	12607	75659	10.72	envcleanup	Scarsella	Waste Management
02/06/14	12607	75682	11.13	envcleanup	Scarsella	Waste Management
02/06/14	12607	75713	10.78	envcleanup	Scarsella	Waste Management
02/06/14	12607	75739	11.07	envcleanup	Scarsella	Waste Management
02/06/14	14102	75640	12.48	envcleanup	Scarsella	Waste Management
02/06/14	14102	75661	9.57	envcleanup	Scarsella	Waste Management
02/06/14	14102	75684	10.93	envcleanup	Scarsella	Waste Management
02/06/14	14102	75714	10.47	envcleanup	Scarsella	Waste Management
02/06/14	14102	75738	7.61	envcleanup	Scarsella	Waste Management
02/06/14	14151	75635	13.82	envcleanup	Scarsella	Waste Management
02/06/14	14151	75657	11.98	envcleanup	Scarsella	Waste Management
02/06/14	14151	75680	11.49	envcleanup	Scarsella	Waste Management

Table D-1 - Export Scale Ticket Summary

02/06/14	14151	75710	10.78	envcleanup	Scarsella	Waste Management
02/06/14	14151	75734	8.06	envcleanup	Scarsella	Waste Management
02/06/14		75626	20.63	envcleanup	Grady Sidedump	Waste Management
02/06/14		75646	19.85	envcleanup	Grady Sidedump	Waste Management
02/06/14		75670	17.80	envcleanup	Grady Sidedump	Waste Management
02/06/14		75693	19.73	envcleanup	Grady Sidedump	Waste Management
02/06/14		75723	17.54	envcleanup	Grady Sidedump	Waste Management
02/06/14		75627	15.59	envcleanup	Grady Sidedump	Waste Management
02/06/14		75652	21.22	envcleanup	Grady Sidedump	Waste Management
02/06/14		75676	18.87	envcleanup	Grady Sidedump	Waste Management
02/06/14		75707	17.57	envcleanup	Grady Sidedump	Waste Management
02/06/14		75728	16.29	envcleanup	Grady Sidedump	Waste Management
02/10/14	66142	75811	17.27	envcleanup	Grady Sidedump	Waste Management
02/10/14	66142	75830	16.19	envcleanup	Grady Sidedump	Waste Management
02/10/14	66142	75848	15.94	envcleanup	Grady Sidedump	Waste Management
02/10/14	66142	75866	17.38	envcleanup	Grady Sidedump	Waste Management
02/10/14	66142	75884	15.60	envcleanup	Grady Sidedump	Waste Management
02/10/14	67719	75812	14.57	envcleanup	Grady Sidedump	Waste Management
02/10/14	67719	75831	17.15	envcleanup	Grady Sidedump	Waste Management
02/10/14	67719	75850	17.77	envcleanup	Grady Sidedump	Waste Management
02/10/14	67719	75869	13.99	envcleanup	Grady Sidedump	Waste Management
02/10/14	15060	904155	10.42	sludge	Walrath	Regional Disposal
02/10/14	15060	904165	8.83	sludge	Walrath	Regional Disposal
02/10/14	15060	904172	11.11	sludge	Walrath	Regional Disposal
02/10/14	15060	904180	10.72	sludge	Walrath	Regional Disposal

Table D-1 - Export Scale Ticket Summary

02/10/14	15060	904190	8.01	sludge	Walrath	Regional Disposal
02/10/14	15060	904197	9.91	sludge	Walrath	Regional Disposal
02/10/14	15060	904154	14.01	sludge	Walrath	Regional Disposal
02/10/14	15061	904163	9.44	sludge	Walrath	Regional Disposal
02/10/14	15061	904170	10.54	sludge	Walrath	Regional Disposal
02/10/14	15061	904179	11.20	sludge	Walrath	Regional Disposal
02/10/14	15061	904189	10.83	sludge	Walrath	Regional Disposal
02/10/14	15061	904196	12.25	sludge	Walrath	Regional Disposal
02/10/14	15061	904159	12.62	sludge	Walrath	Regional Disposal
02/10/14	13970	904169	11.07	sludge	Walrath	Regional Disposal
02/10/14	13970	904175	10.10	sludge	Walrath	Regional Disposal
02/10/14	13970	904185	8.58	sludge	Walrath	Regional Disposal
02/10/14	13970	904193	10.49	sludge	Walrath	Regional Disposal
02/10/14	13970	904157	11.24	sludge	Walrath	Regional Disposal
02/10/14	13973	904166	10.08	sludge	Walrath	Regional Disposal
02/10/14	13973	904173	11.29	sludge	Walrath	Regional Disposal
02/10/14	13973	904182	8.76	sludge	Walrath	Regional Disposal
02/10/14	13973	904191	10.76	sludge	Walrath	Regional Disposal
02/10/14	13973	904198	10.72	sludge	Walrath	Regional Disposal
02/10/14	12608	75819	11.96	envcleanup	Scarsella	Waste Management
02/10/14	12608	75834	10.64	envcleanup	Scarsella	Waste Management
02/10/14	12608	75851	9.38	envcleanup	Scarsella	Waste Management
02/10/14	12608	75870	9.59	envcleanup	Scarsella	Waste Management
02/10/14	13907	75823	12.06	envcleanup	Scarsella	Waste Management
02/10/14	13907	75841	8.73	envcleanup	Scarsella	Waste Management
02/10/14	13907	75858	10.57	envcleanup	Scarsella	Waste Management
02/10/14	13907	75874	9.83	envcleanup	Scarsella	Waste Management
02/10/14	14055	75821	13.90	envcleanup	Scarsella	Waste Management
02/10/14	14055	75838	10.70	envcleanup	Scarsella	Waste Management
02/10/14	14055	75861	11.66	envcleanup	Scarsella	Waste Management
02/10/14	14055	75878	10.04	envcleanup	Scarsella	Waste Management
02/10/14	14103	75825	12.29	envcleanup	Scarsella	Waste Management
02/10/14	14103	75843	10.80	envcleanup	Scarsella	Waste Management
02/10/14	14103	75859	12.27	envcleanup	Scarsella	Waste Management
02/10/14	14103	75875	9.38	envcleanup	Scarsella	Waste Management
02/10/14	14152	75822	13.39	envcleanup	Scarsella	Waste Management
02/10/14	14152	75839	9.04	envcleanup	Scarsella	Waste Management
02/10/14	14152	75855	10.55	envcleanup	Scarsella	Waste Management
02/10/14	14152	75872	11.53	envcleanup	Scarsella	Waste Management
02/10/14	14207	75820	11.18	envcleanup	Scarsella	Waste Management
02/10/14	14207	75835	11.80	envcleanup	Scarsella	Waste Management
02/10/14	14207	75852	9.44	envcleanup	Scarsella	Waste Management
02/10/14	14207	75871	8.45	envcleanup	Scarsella	Waste Management
02/13/14	15248	76067	13.52	envcleanup	Walrath	Waste Management

Table D-1 - Export Scale Ticket Summary

02/13/14	15248	76097	14.50	envcleanup	Walrath	Waste Management
02/13/14	15248	76117	10.44	envcleanup	Walrath	Waste Management
02/13/14	15248	76139	10.91	envcleanup	Walrath	Waste Management
02/13/14	15129	76072	14.27	envcleanup	Walrath	Waste Management
02/13/14	15247	76063	12.88	envcleanup	Walrath	Waste Management
02/13/14	15247	76093	12.83	envcleanup	Walrath	Waste Management
02/13/14	15247	76118	9.44	envcleanup	Walrath	Waste Management
02/13/14	15247	76140	10.79	envcleanup	Walrath	Waste Management
02/13/14	15128	76068	12.79	envcleanup	Walrath	Waste Management
02/13/14	15128	76098	12.85	envcleanup	Walrath	Waste Management
02/13/14	15128	76123	9.13	envcleanup	Walrath	Waste Management
02/13/14	15128	76146	11.34	envcleanup	Walrath	Waste Management
02/13/14	15245	76056	16.43	envcleanup	Walrath	Waste Management
02/13/14	15245	76088	12.32	envcleanup	Walrath	Waste Management
02/13/14	15245	76109	8.67	envcleanup	Walrath	Waste Management
02/13/14	15245	76129	9.10	envcleanup	Walrath	Waste Management
02/13/14	15245	76152	10.15	envcleanup	Walrath	Waste Management
02/13/14	15246	76055	11.35	envcleanup	Walrath	Waste Management
02/13/14	15246	76085	13.32	envcleanup	Walrath	Waste Management
02/13/14	15246	76107	10.12	envcleanup	Walrath	Waste Management
02/13/14	15246	76126	8.75	envcleanup	Walrath	Waste Management
02/13/14	15246	76150	9.07	envcleanup	Walrath	Waste Management
02/13/14	66145	76070	14.07	envcleanup	Grady Sidedump	Waste Management
02/13/14	66145	76145	15.34	envcleanup	Grady Sidedump	Waste Management
02/13/14	66145	76122	14.94	envcleanup	Grady Sidedump	Waste Management
02/13/14	66145	76099	13.83	envcleanup	Grady Sidedump	Waste Management
02/13/14	12609	76075	8.95	envcleanup	Scarsella	Waste Management
02/13/14	12609	76100	10.53	envcleanup	Scarsella	Waste Management
02/13/14	12609	76124	8.40	envcleanup	Scarsella	Waste Management
02/13/14	12609	76147	10.20	envcleanup	Scarsella	Waste Management
02/13/14	13908	76084	10.38	envcleanup	Scarsella	Waste Management
02/13/14	14056	76079	9.22	envcleanup	Scarsella	Waste Management
02/13/14	14056	76103	9.17	envcleanup	Scarsella	Waste Management
02/13/14	14105	76086	10.70	envcleanup	Scarsella	Waste Management
02/13/14	14105	76108	8.41	envcleanup	Scarsella	Waste Management
02/13/14	14105	76127	9.24	envcleanup	Scarsella	Waste Management
02/13/14	14105	76151	9.64	envcleanup	Scarsella	Waste Management
02/13/14	14153	76080	10.19	envcleanup	Scarsella	Waste Management
02/13/14	14208	76077	10.11	envcleanup	Scarsella	Waste Management
02/13/14	14208	76101	8.30	envcleanup	Scarsella	Waste Management

Table D-1 - Export Scale Ticket Summary

02/13/14	14208	76125	7.62	envcleanup	Scarsella	Waste Management
02/13/14	14208	76149	8.92	envcleanup	Scarsella	Waste Management
02/14/14	13909	76169	11.22	envcleanup	Scarsella	Waste Management
02/14/14	14057	76166	9.95	envcleanup	Scarsella	Waste Management
02/14/14	14154	76167	9.57	envcleanup	Scarsella	Waste Management
02/14/14	13948	76186	9.96	envcleanup	Walrath	Waste Management
02/14/14	13948	76202	10.46	envcleanup	Walrath	Waste Management
02/14/14	13948	76216	10.56	envcleanup	Walrath	Waste Management
02/14/14	15162	76160	14.48	envcleanup	Walrath	Waste Management
02/14/14	15162	76180	14.51	envcleanup	Walrath	Waste Management
02/14/14	15162	76198	13.79	envcleanup	Walrath	Waste Management
02/14/14	15163	76159	9.57	envcleanup	Walrath	Waste Management
02/14/14	15163	76177	9.74	envcleanup	Walrath	Waste Management
02/14/14	15163	76196	9.44	envcleanup	Walrath	Waste Management
02/14/14	15163	76210	8.43	envcleanup	Walrath	Waste Management
02/14/14	15163	76221	9.99	envcleanup	Walrath	Waste Management
02/14/14	15164	76157	9.97	envcleanup	Walrath	Waste Management
02/14/14	15164	76174	10.41	envcleanup	Walrath	Waste Management
02/14/14	15164	76190	9.61	envcleanup	Walrath	Waste Management
02/14/14	15164	76206	9.21	envcleanup	Walrath	Waste Management
02/14/14	15164	76218	11.25	envcleanup	Walrath	Waste Management
02/14/14	11955	76162	10.17	envcleanup	Walrath	Waste Management
02/19/14	11955	76345	11.05	envcleanup	Walrath	Waste Management
02/19/14	11955	904499	13.25	envcleanup	Walrath	Regional Disposal
02/19/14	11955	904477	15.99	envcleanup	Walrath	Regional Disposal
02/19/14	11955	904538	14.15	envcleanup	Walrath	Regional Disposal
02/19/14	13955	904472	23.35	envcleanup	Walrath	Regional Disposal
02/19/14	13955	904489	14.02	envcleanup	Walrath	Regional Disposal
02/19/14	13955	904518	14.52	envcleanup	Walrath	Regional Disposal
02/19/14	13955	904535	13.10	envcleanup	Walrath	Regional Disposal
02/19/14	13955	904548	10.97	envcleanup	Walrath	Regional Disposal
02/19/14	54443	904466	14.96	envcleanup	Walrath	Regional Disposal
02/19/14	54443	904488	10.16	envcleanup	Walrath	Regional Disposal
02/19/14	54443	904514	11.41	envcleanup	Walrath	Regional Disposal
02/19/14	54443	904533	12.30	envcleanup	Walrath	Regional Disposal
02/19/14	54443	904547	11.20	envcleanup	Walrath	Regional Disposal
02/19/14	54443	76302	20.17	envcleanup	Walrath	Waste Management
02/19/14	10168	904473	16.56	envcleanup	Walrath	Regional Disposal
02/19/14	10168	904492	15.11	envcleanup	Walrath	Regional Disposal
02/19/14	10168	904519	10.13	envcleanup	Walrath	Regional Disposal
02/19/14	10168	904537	11.00	envcleanup	Walrath	Regional Disposal
02/19/14	10168	904552	8.41	envcleanup	Walrath	Regional Disposal
02/19/14	13959	904495	14.66	envcleanup	Walrath	Regional Disposal
02/19/14	13959	76339	12.64	envcleanup	Walrath	Waste Management

Table D-1 - Export Scale Ticket Summary

02/19/14	13959	76358	11.82	envcleanup	Walrath	Waste Management
02/19/14	13959	76371	12.86	envcleanup	Walrath	Waste Management
02/19/14	13958	904486	11.33	envcleanup	Walrath	Regional Disposal
02/19/14	13958	904513	12.15	envcleanup	Walrath	Regional Disposal
02/19/14	13958	904530	10.49	envcleanup	Walrath	Regional Disposal
02/19/14	13958	904544	12.10	envcleanup	Walrath	Regional Disposal
02/19/14	10167	904494	13.19	envcleanup	Walrath	Regional Disposal
02/19/14	10167	76303	15.25	envcleanup	Walrath	Waste Management
02/19/14	10167	76337	10.67	envcleanup	Walrath	Waste Management
02/19/14	10167	76351	10.25	envcleanup	Walrath	Waste Management
02/19/14	10167	76365	10.24	envcleanup	Walrath	Waste Management
02/19/14	13955	76304	12.35	envcleanup	Scarsella	Waste Management
02/19/14	13955	76314	12.66	envcleanup	Scarsella	Waste Management
02/19/14	13955	76324	11.73	envcleanup	Scarsella	Waste Management
02/19/14	13955	76341	9.55	envcleanup	Scarsella	Waste Management
02/19/14	13955	76356	10.47	envcleanup	Scarsella	Waste Management
02/19/14	13955	76369	10.94	envcleanup	Scarsella	Waste Management
02/19/14	14106	76310	11.33	envcleanup	Scarsella	Waste Management
02/19/14	13910	76308	13.56	envcleanup	Scarsella	Waste Management
02/19/14	13910	76321	12.45	envcleanup	Scarsella	Waste Management
02/19/14	13910	76333	9.82	envcleanup	Scarsella	Waste Management
02/19/14	13910	76350	12.07	envcleanup	Scarsella	Waste Management
02/19/14	13910	76363	10.59	envcleanup	Scarsella	Waste Management
02/19/14	14155	76319	15.71	envcleanup	Scarsella	Waste Management
02/19/14	14155	76331	11.72	envcleanup	Scarsella	Waste Management
02/19/14	14155	76348	10.54	envcleanup	Scarsella	Waste Management
02/19/14	14155	76361	12.17	envcleanup	Scarsella	Waste Management
02/19/14	12610	76305	15.54	envcleanup	Scarsella	Waste Management
02/19/14	12610	76315	12.29	envcleanup	Scarsella	Waste Management
02/19/14	12610	76326	10.69	envcleanup	Scarsella	Waste Management
02/19/14	12610	76344	11.20	envcleanup	Scarsella	Waste Management
02/19/14	12610	76360	12.37	envcleanup	Scarsella	Waste Management
02/19/14	12610	76374	10.93	envcleanup	Scarsella	Waste Management
02/19/14	14209	76307	11.98	envcleanup	Scarsella	Waste Management
02/19/14	14209	76340	10.24	envcleanup	Scarsella	Waste Management
02/19/14	14209	76355	12.05	envcleanup	Scarsella	Waste Management
02/19/14	14209	76368	10.10	envcleanup	Scarsella	Waste Management
02/19/14	14209	904498	14.47	envcleanup	Scarsella	Regional Disposal
02/19/14	14058	904476	11.64	envcleanup	Scarsella	Regional Disposal
02/19/14	14058	904497	11.93	envcleanup	Scarsella	Regional Disposal
02/19/14	14058	904523	11.34	envcleanup	Scarsella	Regional Disposal
02/19/14	14058	904540	8.99	envcleanup	Scarsella	Regional Disposal
02/21/14	09115	904593	12.55	sludge	Walrath	Regional Disposal
02/21/14	09115	904600	11.47	sludge	Walrath	Regional Disposal

Table D-1 - Export Scale Ticket Summary

02/21/14	09115	904621	13.58	sludge	Walrath	Regional Disposal
02/21/14	09115	904637	13.64	sludge	Walrath	Regional Disposal
02/21/14	09115	904655	12.79	sludge	Walrath	Regional Disposal
02/21/14	09122	904604	10.42	sludge	Walrath	Regional Disposal
02/21/14	09122	904624	13.63	sludge	Walrath	Regional Disposal
02/21/14	09122	904640	12.52	sludge	Walrath	Regional Disposal
02/21/14	09122	904658	12.17	sludge	Walrath	Regional Disposal
02/21/14	09123	904592	9.37	sludge	Walrath	Regional Disposal
02/21/14	09123	904597	11.70	sludge	Walrath	Regional Disposal
02/21/14	09123	904616	9.83	sludge	Walrath	Regional Disposal
02/21/14	09123	904630	9.20	sludge	Walrath	Regional Disposal
02/21/14	09123	904648	10.35	sludge	Walrath	Regional Disposal
02/21/14	09123	904665	11.73	sludge	Walrath	Regional Disposal
02/21/14	13988	904594	10.98	sludge	Walrath	Regional Disposal
02/21/14	13988	904610	10.32	sludge	Walrath	Regional Disposal
02/21/14	13988	904627	10.74	sludge	Walrath	Regional Disposal
02/21/14	13988	904644	11.00	sludge	Walrath	Regional Disposal
02/21/14	13988	904661	8.32	sludge	Walrath	Regional Disposal
02/21/14	11393	904595	10.21	sludge	Walrath	Regional Disposal
02/21/14	11393	904613	9.48	sludge	Walrath	Regional Disposal
02/21/14	11393	904628	9.55	sludge	Walrath	Regional Disposal
02/21/14	11393	904645	10.83	sludge	Walrath	Regional Disposal
02/21/14	11393	904664	5.59	sludge	Walrath	Regional Disposal
02/21/14	11394	904598	9.10	sludge	Walrath	Regional Disposal
02/21/14	11394	904620	9.85	sludge	Walrath	Regional Disposal
02/21/14	11394	904635	10.42	sludge	Walrath	Regional Disposal
02/21/14	11394	904654	12.25	sludge	Walrath	Regional Disposal
02/26/14	66622	76611	11.15	envcleanup	Grady Sidedump	Waste Management
02/26/14	66622	76636	10.36	envcleanup	Grady Sidedump	Waste Management
02/26/14	66622	76654	9.60	envcleanup	Grady Sidedump	Waste Management
02/26/14	66622	76672	9.52	envcleanup	Grady Sidedump	Waste Management
02/26/14	66943	76614	9.70	envcleanup	Grady Sidedump	Waste Management
02/26/14	66943	76650	9.15	envcleanup	Grady Sidedump	Waste Management
02/26/14	66943	76669	10.62	envcleanup	Grady Sidedump	Waste Management
02/26/14	71543	76685	9.82	envcleanup	Grady Sidedump	Waste Management

Table D-1 - Export Scale Ticket Summary

02/26/14	71543	76666	10.84	envcleanup	Grady Sidedump	Waste Management
02/26/14	71543	76619	10.98	envcleanup	Grady Sidedump	Waste Management
02/26/14	71543	76644	10.00	envcleanup	Grady Sidedump	Waste Management
02/26/14	79365	76595	12.10	envcleanup	Grady Sidedump	Waste Management
02/26/14	79365	76617	11.41	envcleanup	Grady Sidedump	Waste Management
02/26/14	79365	76635	10.92	envcleanup	Grady Sidedump	Waste Management
02/26/14	79365	76655	11.67	envcleanup	Grady Sidedump	Waste Management
02/26/14	79365	76674	11.29	envcleanup	Grady Sidedump	Waste Management
02/26/14	79306	76596	13.12	envcleanup	Grady Sidedump	Waste Management
02/26/14	79306	76630	10.92	envcleanup	Grady Sidedump	Waste Management
02/26/14	79306	76648	11.34	envcleanup	Grady Sidedump	Waste Management
02/26/14	79306	76667	11.64	envcleanup	Grady Sidedump	Waste Management
02/26/14	9096	904867	12.43	sludge	Walrath	Regional Disposal
02/26/14	9096	904911	12.48	sludge	Walrath	Regional Disposal
02/26/14	9096	904882	13.02	sludge	Walrath	Regional Disposal
02/26/14	9096	76606	13.95	sludge	Walrath	Waste Management
02/26/14	9097	76603	12.77	sludge	Walrath	Waste Management
02/26/14	9097	904859	10.99	sludge	Walrath	Regional Disposal
02/26/14	9097	904871	12.27	sludge	Walrath	Regional Disposal
02/26/14	9097	904913	10.51	sludge	Walrath	Regional Disposal
02/26/14	9097	904900	11.46	sludge	Walrath	Regional Disposal
02/26/14	9097	904887	12.31	sludge	Walrath	Regional Disposal
02/26/14	9099	904901	8.75	sludge	Walrath	Regional Disposal
02/26/14	9099	904918	10.11	sludge	Walrath	Regional Disposal
02/26/14	9099	904860	9.48	sludge	Walrath	Regional Disposal
02/26/14	9099	904888	9.37	sludge	Walrath	Regional Disposal
02/26/14	9099	904872	10.50	sludge	Walrath	Regional Disposal
02/26/14	9099	76604	12.48	sludge	Walrath	Waste Management
02/26/14	10469	76598	17.60	sludge	Walrath	Waste Management
02/26/14	10469	904861	9.99	sludge	Walrath	Regional Disposal
02/26/14	10469	904873	9.16	sludge	Walrath	Regional Disposal
02/26/14	10469	904889	9.88	sludge	Walrath	Regional Disposal

Table D-1 - Export Scale Ticket Summary

02/26/14	10469	904905	8.43	sludge	Walrath	Regional Disposal
02/26/14	12417	76599	11.38	sludge	Walrath	Waste Management
02/26/14	12417	76639	10.81	sludge	Walrath	Waste Management
02/26/14	12417	76620	11.20	sludge	Walrath	Waste Management
02/26/14	12417	76658	11.72	sludge	Walrath	Waste Management
02/26/14	12417	904908	7.77	sludge	Walrath	Regional Disposal
02/26/14	12418	904907	9.49	sludge	Walrath	Regional Disposal
02/26/14	12418	76597	10.03	sludge	Walrath	Waste Management
02/26/14	12418	76656	9.34	sludge	Walrath	Waste Management
02/26/14	12418	76618	9.65	sludge	Walrath	Waste Management
02/26/14	12418	76637	10.81	sludge	Walrath	Waste Management
02/26/14	16007	76661	12.13	sludge	Walrath	Waste Management
02/26/14	16007	76623	10.82	sludge	Walrath	Waste Management
02/26/14	16007	76641	12.60	sludge	Walrath	Waste Management
02/26/14	16007	76600	9.57	sludge	Walrath	Waste Management
02/26/14	16007	904912	11.33	sludge	Walrath	Regional Disposal
02/26/14	17005	904909	7.53	sludge	Walrath	Regional Disposal
02/26/14	17005	904874	9.77	sludge	Walrath	Regional Disposal
02/26/14	17005	904893	8.57	sludge	Walrath	Regional Disposal
02/26/14	17005	904862	8.56	sludge	Walrath	Regional Disposal
02/26/14	17005	76607	10.70	sludge	Walrath	Waste Management
02/26/14	9096	904895	11.82	sludge	Walrath	Regional Disposal
03/03/14		76756	10.36	sludge	Grady	Waste Management
03/03/14		76770	9.72	sludge	Grady	Waste Management
03/03/14		76781	10.22	sludge	Grady	Waste Management
03/03/14		76790	12.02	sludge	Grady	Waste Management
03/03/14		76800	11.41	sludge	Grady	Waste Management
03/03/14		76809	10.69	sludge	Grady	Waste Management
03/03/14		76759	9.93	sludge	Grady	Waste Management
03/03/14		76772	9.01	sludge	Grady	Waste Management
03/03/14		76783	8.67	sludge	Grady	Waste Management
03/03/14		76792	10.27	sludge	Grady	Waste Management
03/03/14		76802	11.51	sludge	Grady	Waste Management
03/03/14		76810	9.72	sludge	Grady	Waste Management
03/03/14		76761	12.47	sludge	Grady	Waste Management
03/03/14		76774	11.60	sludge	Grady	Waste Management
03/03/14		76785	11.15	sludge	Grady	Waste Management
03/03/14		76793	10.69	sludge	Grady	Waste Management
03/03/14		76803	12.71	sludge	Grady	Waste Management
03/03/14		76811	11.82	sludge	Grady	Waste Management
03/03/14	15544	76771	11.86	sludge	Walrath	Waste Management
03/03/14	15544	76758	11.71	sludge	Walrath	Waste Management
03/03/14	15544	76789	11.32	sludge	Walrath	Waste Management
03/03/14	15544	76780	10.35	sludge	Walrath	Waste Management

Table D-1 - Export Scale Ticket Summary

03/03/14	15544	76806	10.33	sludge	Walrath	Waste Management
03/03/14	15544	76797	10.15	sludge	Walrath	Waste Management
03/03/14	16175	76773	10.60	sludge	Walrath	Waste Management
03/03/14	16175	76760	11.25	sludge	Walrath	Waste Management
03/03/14	16175	76791	11.56	sludge	Walrath	Waste Management
03/03/14	16175	76782	10.39	sludge	Walrath	Waste Management
03/03/14	16175	76808	12.08	sludge	Walrath	Waste Management
03/03/14	16175	76799	11.90	sludge	Walrath	Waste Management
03/03/14	15539	76775	13.28	sludge	Walrath	Waste Management
03/03/14	15539	76763	11.03	sludge	Walrath	Waste Management
03/03/14	15539	76794	13.08	sludge	Walrath	Waste Management
03/03/14	15539	76786	13.59	sludge	Walrath	Waste Management
03/03/14	15539	76804	11.22	sludge	Walrath	Waste Management
03/03/14	15539	76812	11.62	sludge	Walrath	Waste Management
03/03/14	17725	76788	11.35	sludge	Walrath	Waste Management
03/03/14	17725	76805	10.42	sludge	Walrath	Waste Management
03/03/14	17725	76795	9.94	sludge	Walrath	Waste Management
03/03/14	17725	905118	9.80	sludge	Walrath	Regional Disposal
03/03/14	17725	905091	13.51	sludge	Walrath	Regional Disposal
03/03/14	15541	905138	12.62	sludge	Walrath	Regional Disposal
03/03/14	15541	905154	11.15	sludge	Walrath	Regional Disposal
03/03/14	15541	905102	11.66	sludge	Walrath	Regional Disposal
03/03/14	15541	905123	11.33	sludge	Walrath	Regional Disposal
03/03/14	15541	905094	10.84	sludge	Walrath	Regional Disposal
03/03/14	15541	905089	13.14	sludge	Walrath	Regional Disposal
03/03/14	15540	905160	13.12	sludge	Walrath	Regional Disposal
03/03/14	15540	905178	13.66	sludge	Walrath	Regional Disposal
03/03/14	15540	905142	12.06	sludge	Walrath	Regional Disposal
03/03/14	15540	905125	12.12	sludge	Walrath	Regional Disposal
03/03/14	15540	905104	14.05	sludge	Walrath	Regional Disposal
03/03/14	15540	905095	11.74	sludge	Walrath	Regional Disposal
03/03/14	15540	905090	17.19	sludge	Walrath	Regional Disposal
03/03/14	15543	905183	9.95	sludge	Walrath	Regional Disposal
03/03/14	15543	905146	8.90	sludge	Walrath	Regional Disposal
03/03/14	15543	905164	9.77	sludge	Walrath	Regional Disposal
03/03/14	15543	905128	10.45	sludge	Walrath	Regional Disposal
03/03/14	15543	905108	8.92	sludge	Walrath	Regional Disposal
03/03/14	15543	905096	11.45	sludge	Walrath	Regional Disposal
03/03/14	15545	905161	9.53	sludge	Walrath	Regional Disposal
03/03/14	15545	905105	10.48	sludge	Walrath	Regional Disposal
03/03/14	15545	905126	8.95	sludge	Walrath	Regional Disposal
03/03/14	15545	905180	10.17	sludge	Walrath	Regional Disposal
03/03/14	15545	905143	10.37	sludge	Walrath	Regional Disposal
03/03/14	15542	905088	11.50	sludge	Walrath	Regional Disposal

Table D-1 - Export Scale Ticket Summary

03/03/14	15542	905101	10.86	sludge	Walrath	Regional Disposal
03/03/14	15542	905093	13.39	sludge	Walrath	Regional Disposal
03/03/14	15542	905135	8.85	sludge	Walrath	Regional Disposal
03/03/14	15542	905122	9.18	sludge	Walrath	Regional Disposal
03/03/14	15542	905149	8.97	sludge	Walrath	Regional Disposal
03/03/14	15542	905168	8.64	sludge	Walrath	Regional Disposal
03/03/14	17725	905100	10.13	sludge	Walrath	Regional Disposal
03/03/14	15541	905173	13.22	sludge	Walrath	Regional Disposal
03/04/14	9124	76835	8.62	sludge	Walrath	Waste Management
03/04/14	9124	76817	9.32	sludge	Walrath	Waste Management
03/04/14	17202	76819	6.47	sludge	Walrath	Waste Management
03/04/14	17202	76836	6.53	sludge	Walrath	Waste Management
03/05/14	11771	905303	11.27	sludge	Walrath	Regional Disposal
03/05/14	11771	905310	9.67	sludge	Walrath	Regional Disposal
03/05/14	11771	905315	8.81	sludge	Walrath	Regional Disposal
03/05/14	11771	905321	11.75	sludge	Walrath	Regional Disposal
03/05/14	11771	905328	12.24	sludge	Walrath	Regional Disposal
03/05/14	11771	905332	10.69	sludge	Walrath	Regional Disposal

Table D-2 - Import Scale Ticket Summary

Thin-Layer Cap Sand Total Tons 3,356.70

Ticket Date	Project Number	Ticket Number	Tons	Product	Supplying Company
03/10/14	17838	889771	1,723.70	Maintenance sand	CalPortland
03/18/14	17838	893049	1,633.00	Maintenance sand	CalPortland

APPENDIX E
Chemical Data Quality Review and Laboratory Reports
OnSite Environmental, Inc.

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APPENDIX E
CHEMICAL DATA QUALITY REVIEW AND LABORATORY REPORTS ONSITE ENVIRONMENTAL LABORATORY, INC.

Chemical Data Quality Review

Nine soil samples were collected between January 3 and March 25, 2014. The samples were submitted to OnSite Environmental Inc., (OnSite) in Redmond, Washington, and analyzed for:

- Polycyclic aromatic hydrocarbons (PAHs) by EPA method 8270D/SIM;
- Total metals (As, Cu, Pb, and Zn) by EPA methods 6010C and 6020A; and
- Percent moisture.

The laboratory reported the results in five separate packages (OnSite Reference Nos. 1401-107, 1402-035, 1402-125, 1402-193, and 1403-190). The laboratory continuously performed quality assurance/quality control (QA/QC) procedures, and Hart Crowser reviewed the data to ensure they met quality objectives for the project. The following criteria were evaluated:

- Holding times;
- Reporting limits;
- Method blanks;
- Surrogate recoveries;
- Spike blank/spike blank duplicate recoveries and relative percent differences (RPDs);
- Matrix spike/matrix spike duplicate (MS/MSD) recoveries and RPDs; and
- Laboratory duplicate RPDs.

The data were determined to be acceptable for use without qualification. The data quality review results for individual tests are summarized in the following pages, and the complete laboratory reports are presented at the end of this appendix.

Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8270D/SIM

Holding times and reporting limits were acceptable. No method blank contamination was detected. Surrogate recoveries were within laboratory control limits. The spike blank and spike blank duplicate recoveries and RPDs were within laboratory control limits. The MD/MSD recoveries and RPDs were within laboratory control limits. The results are acceptable for use without qualification.

Total Metals by EPA Methods 6010C and 6020A

Holding times and reporting limits were acceptable. In some cases the practical quantitation limit (PQL) was higher than the value proposed in the sampling and analysis plan (SAP), but the SAP noted that the laboratory's default reporting limits may apply depending upon which extraction method was used to prepare the samples. No method blank contamination was detected. The spike blank recoveries were within laboratory control limits. The MS/MSD recoveries and RPDs were within

laboratory control limits. The laboratory duplicate RPD was within laboratory control limits or not applicable in cases when the original and duplicate were non-detect. The results are acceptable for use without qualification.

Percent Moisture

Holding times and reporting limits were acceptable. The results are acceptable for use without qualification.

Laboratory Reports

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OnSite Environmental Inc.

14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

December 6, 2013

Kerry Hosken
Hart Crowser, Inc.
1700 Westlake Avenue North, Suite 200
Seattle, WA 98109-3056

Re: Analytical Data for Project 17800-26
Laboratory Reference No. 1312-040

Dear Kerry:

Enclosed are the analytical results and associated quality control data for samples submitted on December 5, 2013.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: December 6, 2013
Samples Submitted: December 5, 2013
Laboratory Reference: 1312-040
Project: 17800-26

Case Narrative

Samples were collected on December 5, 2013 and received by the laboratory on December 5, 2013. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: December 6, 2013
Samples Submitted: December 5, 2013
Laboratory Reference: 1312-040
Project: 17800-26

TCLP ARSENIC
EPA 1311/6010C

Matrix: TCLP Extract
Units: mg/L (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	12-040-01					
Client ID:	**HC-TCLP-1**					
Arsenic	**0.99**	0.40	6010C	12-6-13	12-6-13	

Date of Report: December 6, 2013
Samples Submitted: December 5, 2013
Laboratory Reference: 1312-040
Project: 17800-26

TCLP ARSENIC
EPA 1311/6010C
METHOD BLANK QUALITY CONTROL

Date Prepared:	12-5-13
Date Extracted:	12-6-13
Date Analyzed:	12-6-13
Matrix:	TCLP Extract
Units:	mg/L (ppm)
Lab ID:	MB1206T1

Analyte	Method	Result	PQL
Arsenic	6010C	**ND**	0.40

Date of Report: December 6, 2013
Samples Submitted: December 5, 2013
Laboratory Reference: 1312-040
Project: 17800-26

TCLP ARSENIC
EPA 1311/6010C
DUPLICATE QUALITY CONTROL

Date Prepared:	12-5-13
Date Extracted:	12-6-13
Date Analyzed:	12-6-13
Matrix:	TCLP Extract
Units:	mg/L (ppm)
Lab ID:	12-040-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**0.986**	**1.01**	2	0.40	

Date of Report: December 6, 2013
Samples Submitted: December 5, 2013
Laboratory Reference: 1312-040
Project: 17800-26

TCLP ARSENIC
EPA 1311/6010C
MS/MSD QUALITY CONTROL

Date Prepared: 12-5-13
Date Extracted: 12-6-13
Date Analyzed: 12-6-13

Matrix: TCLP Extract
Units: mg/L (ppm)

Lab ID: 12-040-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	4.00	**5.48**	112	**5.60**	115	2	

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Sample Custody Record

Samples Shipped to: On Site

HARTCROWSER

Hart Crowser, Inc.
1700 Westlake Avenue North, Suite 200
Seattle, Washington 98109-6212
Office: 206.324.9530 • **Fax** 206.328.5581

JOB 17800-26 LAB NUMBER 12-040

PROJECT NAME Northlake Shipyard

HART CROWSER CONTACT Kerry Hosken

SAMPLED BY: Kerry Hosken

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	REQUESTED ANALYSIS: TCLP (As)	NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
1	HC-TCLP-1		12/05/13	1450	Sediment	X	1	

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE: Kerry Hosken	12/05/13	SIGNATURE:	12/5/13
PRINT NAME: Kerry Hosken	TIME: 1515	PRINT NAME: TIMOTHY O'BRIEN	TIME: 1600
COMPANY:		COMPANY: HC	
RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE:	TIME:	SIGNATURE:	TIME:
PRINT NAME:		PRINT NAME:	
COMPANY:		COMPANY:	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:
Hold additional sample for extra analyses pending results

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. _____ for Other Contract Requirements

1 TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS: ☐YES ☐NO ☐N/A
GOOD CONDITION ☐YES ☐NO
TEMPERATURE _____
SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

TURNAROUND TIME:
☒ 24 HOURS ☐ 1 WEEK
☐ 48 HOURS ☐ STANDARD
☐ 72 HOURS OTHER Rush

White and Yellow Copies to Lab Pink to Project Manager Lab to Return White Copy to Hart Crowser Gold to Sample Custodian

OnSite Environmental Inc.

14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

January 24, 2014

Kerry Hosken
Hart Crowser, Inc.
1700 Westlake Avenue North, Suite 200
Seattle, WA 98109-3056

Re: Analytical Data for Project 17800-26
Laboratory Reference No. 1401-107

Dear Kerry:

Enclosed are the analytical results and associated quality control data for samples submitted on January 16, 2014.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: January 24, 2014
Samples Submitted: January 16, 2014
Laboratory Reference: 1401-107
Project: 17800-26

Case Narrative

Samples were collected on January 3 and 7, 2014 and received by the laboratory on January 16, 2014. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: January 24, 2014
Samples Submitted: January 16, 2014
Laboratory Reference: 1401-107
Project: 17800-26

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SS-03-2014-01-03**					
Laboratory ID:	01-107-01					
Naphthalene	**1.2**	0.060	EPA 8270D/SIM	1-17-14	1-20-14	
2-Methylnaphthalene	**0.48**	0.060	EPA 8270D/SIM	1-17-14	1-20-14	
1-Methylnaphthalene	**0.22**	0.060	EPA 8270D/SIM	1-17-14	1-20-14	
Acenaphthylene	**0.51**	0.060	EPA 8270D/SIM	1-17-14	1-20-14	
Acenaphthene	**0.30**	0.060	EPA 8270D/SIM	1-17-14	1-20-14	
Fluorene	**0.48**	0.060	EPA 8270D/SIM	1-17-14	1-20-14	
Phenanthrene	**2.4**	0.060	EPA 8270D/SIM	1-17-14	1-20-14	
Anthracene	**0.82**	0.060	EPA 8270D/SIM	1-17-14	1-20-14	
Fluoranthene	**2.3**	0.060	EPA 8270D/SIM	1-17-14	1-20-14	
Pyrene	**2.6**	0.060	EPA 8270D/SIM	1-17-14	1-20-14	
Benzo[a]anthracene	**1.2**	0.060	EPA 8270D/SIM	1-17-14	1-20-14	
Chrysene	**1.1**	0.060	EPA 8270D/SIM	1-17-14	1-20-14	
Benzo[b]fluoranthene	**1.1**	0.060	EPA 8270D/SIM	1-17-14	1-20-14	
Benzo(j,k)fluoranthene	**0.32**	0.060	EPA 8270D/SIM	1-17-14	1-20-14	
Benzo[a]pyrene	**1.1**	0.060	EPA 8270D/SIM	1-17-14	1-20-14	
Indeno(1,2,3-c,d)pyrene	**0.54**	0.060	EPA 8270D/SIM	1-17-14	1-20-14	
Dibenz[a,h]anthracene	**0.20**	0.060	EPA 8270D/SIM	1-17-14	1-20-14	
Benzo[g,h,i]perylene	**0.97**	0.060	EPA 8270D/SIM	1-17-14	1-20-14	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*84*	*43 - 116*				
Pyrene-d10	*78*	*33 - 124*				
Terphenyl-d14	*91*	*38 - 125*				

Date of Report: January 24, 2014
Samples Submitted: January 16, 2014
Laboratory Reference: 1401-107
Project: 17800-26

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SS-02-2014-01-07**					
Laboratory ID:	01-107-02					
Naphthalene	**0.80**	0.081	EPA 8270D/SIM	1-17-14	1-20-14	
2-Methylnaphthalene	**0.21**	0.081	EPA 8270D/SIM	1-17-14	1-20-14	
1-Methylnaphthalene	**0.095**	0.081	EPA 8270D/SIM	1-17-14	1-20-14	
Acenaphthylene	**0.28**	0.081	EPA 8270D/SIM	1-17-14	1-20-14	
Acenaphthene	**0.14**	0.081	EPA 8270D/SIM	1-17-14	1-20-14	
Fluorene	**0.20**	0.081	EPA 8270D/SIM	1-17-14	1-20-14	
Phenanthrene	**1.1**	0.081	EPA 8270D/SIM	1-17-14	1-20-14	
Anthracene	**0.40**	0.081	EPA 8270D/SIM	1-17-14	1-20-14	
Fluoranthene	**1.2**	0.081	EPA 8270D/SIM	1-17-14	1-20-14	
Pyrene	**1.3**	0.081	EPA 8270D/SIM	1-17-14	1-20-14	
Benzo[a]anthracene	**0.63**	0.081	EPA 8270D/SIM	1-17-14	1-20-14	
Chrysene	**0.57**	0.081	EPA 8270D/SIM	1-17-14	1-20-14	
Benzo[b]fluoranthene	**0.60**	0.081	EPA 8270D/SIM	1-17-14	1-20-14	
Benzo(j,k)fluoranthene	**0.20**	0.081	EPA 8270D/SIM	1-17-14	1-20-14	
Benzo[a]pyrene	**0.59**	0.081	EPA 8270D/SIM	1-17-14	1-20-14	
Indeno(1,2,3-c,d)pyrene	**0.33**	0.081	EPA 8270D/SIM	1-17-14	1-20-14	
Dibenz[a,h]anthracene	**0.086**	0.081	EPA 8270D/SIM	1-17-14	1-20-14	
Benzo[g,h,i]perylene	**0.57**	0.081	EPA 8270D/SIM	1-17-14	1-20-14	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*73*	*43 - 116*				
Pyrene-d10	*70*	*33 - 124*				
Terphenyl-d14	*78*	*38 - 125*				

Date of Report: January 24, 2014
Samples Submitted: January 16, 2014
Laboratory Reference: 1401-107
Project: 17800-26

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0117S1					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	1-17-14	1-17-14	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	1-17-14	1-17-14	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	1-17-14	1-17-14	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	1-17-14	1-17-14	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	1-17-14	1-17-14	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	1-17-14	1-17-14	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	1-17-14	1-17-14	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	1-17-14	1-17-14	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	1-17-14	1-17-14	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	1-17-14	1-17-14	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	1-17-14	1-17-14	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	1-17-14	1-17-14	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	1-17-14	1-17-14	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	1-17-14	1-17-14	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	1-17-14	1-17-14	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	1-17-14	1-17-14	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	1-17-14	1-17-14	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	1-17-14	1-17-14	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*85*	*43 - 116*				
Pyrene-d10	*85*	*33 - 124*				
Terphenyl-d14	*89*	*38 - 125*				

Date of Report: January 24, 2014
Samples Submitted: January 16, 2014
Laboratory Reference: 1401-107
Project: 17800-26

PAHs EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0117S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0763**	**0.0765**	0.0833	0.0833	92	92	45 - 109	0	29	
Acenaphthylene	**0.0733**	**0.0734**	0.0833	0.0833	88	88	54 - 118	0	18	
Acenaphthene	**0.0732**	**0.0730**	0.0833	0.0833	88	88	60 - 108	0	14	
Fluorene	**0.0672**	**0.0718**	0.0833	0.0833	81	86	61 - 113	7	13	
Phenanthrene	**0.0637**	**0.0658**	0.0833	0.0833	76	79	63 - 106	3	13	
Anthracene	**0.0786**	**0.0801**	0.0833	0.0833	94	96	55 - 130	2	13	
Fluoranthene	**0.0708**	**0.0733**	0.0833	0.0833	85	88	66 - 118	3	13	
Pyrene	**0.0700**	**0.0730**	0.0833	0.0833	84	88	69 - 112	4	12	
Benzo[a]anthracene	**0.0776**	**0.0804**	0.0833	0.0833	93	97	58 - 115	4	13	
Chrysene	**0.0750**	**0.0758**	0.0833	0.0833	90	91	64 - 114	1	11	
Benzo[b]fluoranthene	**0.0700**	**0.0719**	0.0833	0.0833	84	86	52 - 125	3	19	
Benzo(j,k)fluoranthene	**0.0741**	**0.0716**	0.0833	0.0833	89	86	50 - 126	3	22	
Benzo[a]pyrene	**0.0722**	**0.0731**	0.0833	0.0833	87	88	43 - 123	1	16	
Indeno(1,2,3-c,d)pyrene	**0.0708**	**0.0716**	0.0833	0.0833	85	86	55 - 118	1	16	
Dibenz[a,h]anthracene	**0.0717**	**0.0728**	0.0833	0.0833	86	87	57 - 120	2	15	
Benzo[g,h,i]perylene	**0.0723**	**0.0735**	0.0833	0.0833	87	88	58 - 113	2	18	
Surrogate:										
2-Fluorobiphenyl					*86*	*90*	*43 - 116*			
Pyrene-d10					*83*	*87*	*33 - 124*			
Terphenyl-d14					*86*	*88*	*38 - 125*			

Date of Report: January 24, 2014
Samples Submitted: January 16, 2014
Laboratory Reference: 1401-107
Project: 17800-26

TOTAL METALS
EPA 6010C

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	01-107-01					
Client ID:	**SS-03-2014-01-03**					
Arsenic	**44**	18	6010C	1-23-14	1-23-14	
Copper	**67**	1.8	6010C	1-23-14	1-23-14	
Lead	**89**	8.9	6010C	1-23-14	1-23-14	
Zinc	**240**	4.5	6010C	1-23-14	1-23-14	
Lab ID:	01-107-02					
Client ID:	**SS-02-2014-01-07**					
Arsenic	**19**	12	6010C	1-23-14	1-23-14	
Copper	**48**	2.4	6010C	1-23-14	1-23-14	
Lead	**56**	12	6010C	1-23-14	1-23-14	
Zinc	**130**	6.1	6010C	1-23-14	1-23-14	

Date of Report: January 24, 2014
Samples Submitted: January 16, 2014
Laboratory Reference: 1401-107
Project: 17800-26

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted:	1-23-14
Date Analyzed:	1-23-14
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0123SM2

Analyte	Method	Result	PQL
Arsenic	6010C	**ND**	10
Copper	6010C	**ND**	1.0
Lead	6010C	**ND**	5.0
Zinc	6010C	**ND**	2.5

Date of Report: January 24, 2014
Samples Submitted: January 16, 2014
Laboratory Reference: 1401-107
Project: 17800-26

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 1-23-14
Date Analyzed: 1-23-14

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 01-085-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**19.5**	**19.0**	3	10	
Copper	**25.1**	**23.8**	5	1.0	
Lead	**64.5**	**58.8**	9	5.0	
Zinc	**108**	**105**	3	2.5	

Date of Report: January 24, 2014
Samples Submitted: January 16, 2014
Laboratory Reference: 1401-107
Project: 17800-26

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 1-23-14
Date Analyzed: 1-23-14

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 01-085-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**106**	87	**108**	89	2	
Copper	50.0	**75.6**	101	**74.9**	100	1	
Lead	250	**298**	93	**309**	98	4	
Zinc	100	**207**	99	**199**	91	4	

Date of Report: January 24, 2014
Samples Submitted: January 16, 2014
Laboratory Reference: 1401-107
Project: 17800-26

TOTAL METALS
EPA 6010C
SPIKE BLANK QUALITY CONTROL

Date Extracted: 1-23-14
Date Analyzed: 1-23-14

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0123SM2

Analyte	Method	Spike Level	SB Result	Percent Recovery
Arsenic	6010C	100	**87.0**	87
Copper	6010C	50.0	**50.4**	101
Lead	6010C	250	**243**	97
Zinc	6010C	100	**93.4**	93

Date of Report: January 24, 2014
Samples Submitted: January 16, 2014
Laboratory Reference: 1401-107
Project: 17800-26

% MOISTURE

Date Analyzed: 1-17-14

Client ID	Lab ID	% Moisture
SS-03-2014-01-03	01-107-01	44
SS-02-2014-01-07	01-107-02	59

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Sample Custody Record

Samples Shipped to: On Site

HARTCROWSER

Hart Crowser, Inc.
1700 Westlake Avenue North, Suite 200
Seattle, Washington 98109-6212
Office: 206.324.9530 • Fax 206.328.5581

JOB 17800-26 LAB NUMBER 01-107

PROJECT NAME Northlake Shipyard

HART CROWSER CONTACT Kerry Hosken

SAMPLED BY: KJH

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	PAH (EPA 8270 D)	Cu, Zn, Pb, As (EPA 6010B)	% MOISTURE	NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
1	SS-03-2014-	01-03	1/3/14	0818	Sediment	X	X	X	1	
2	SS-02-2014-	01-07	1/7/14	1044	"	X	X	X	1	

RELINQUISHED BY	DATE	RECEIVED BY	DATE
Kerry Hosken	1/16/14 ~~0745~~ KH		1/16/14
SIGNATURE		SIGNATURE	
Kerry Hosken	TIME		TIME
PRINT NAME		PRINT NAME	
Hart Crowser	0745		1130
COMPANY		COMPANY	

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE		SIGNATURE	
	TIME		TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. _____ for Other Contract Requirements

2 TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS:
☐YES ☐NO ☐N/A
GOOD CONDITION
☐YES ☐NO
TEMPERATURE _____
SHIPMENT METHOD: ☐HAND
☐COURIER ☐OVERNIGHT

TURNAROUND TIME:
☐ 24 HOURS ☐ 1 WEEK
☐48 HOURS ☒STANDARD
☐72 HOURS OTHER _____

White and Yellow Copies to Lab Pink to Project Manager Lab to Return White Copy to Hart Crowser Gold to Sample Custodian

OnSite Environmental Inc.

14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

February 18, 2014

Kerry Hosken
Hart Crowser, Inc.
1700 Westlake Avenue North, Suite 200
Seattle, WA 98109-3056

Re: Analytical Data for Project 17800-26
Laboratory Reference No. 1402-035

Dear Kerry:

Enclosed are the analytical results and associated quality control data for samples submitted on February 6, 2014.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: February 18, 2014
Samples Submitted: February 6, 2014
Laboratory Reference: 1402-035
Project: 17800-26

Case Narrative

Samples were collected on January 28, 2014 and received by the laboratory on February 6, 2014. They were maintained at the laboratory at a temperature of 2^{o}C to 6^{o}C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: February 18, 2014
Samples Submitted: February 6, 2014
Laboratory Reference: 1402-035
Project: 17800-26

PAHs EPA 8270D/SIM

Matrix: Sediment
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SS-06-2014-01-28**					
Laboratory ID:	02-035-01					
Naphthalene	**0.0095**	0.0079	EPA 8270D/SIM	2-10-14	2-12-14	
2-Methylnaphthalene	**ND**	0.0079	EPA 8270D/SIM	2-10-14	2-12-14	
1-Methylnaphthalene	**ND**	0.0079	EPA 8270D/SIM	2-10-14	2-12-14	
Acenaphthylene	**ND**	0.0079	EPA 8270D/SIM	2-10-14	2-12-14	
Acenaphthene	**ND**	0.0079	EPA 8270D/SIM	2-10-14	2-12-14	
Fluorene	**ND**	0.0079	EPA 8270D/SIM	2-10-14	2-12-14	
Phenanthrene	**0.015**	0.0079	EPA 8270D/SIM	2-10-14	2-12-14	
Anthracene	**ND**	0.0079	EPA 8270D/SIM	2-10-14	2-12-14	
Fluoranthene	**0.014**	0.0079	EPA 8270D/SIM	2-10-14	2-12-14	
Pyrene	**0.016**	0.0079	EPA 8270D/SIM	2-10-14	2-12-14	
Benzo[a]anthracene	**ND**	0.0079	EPA 8270D/SIM	2-10-14	2-12-14	
Chrysene	**ND**	0.0079	EPA 8270D/SIM	2-10-14	2-12-14	
Benzo[b]fluoranthene	**ND**	0.0079	EPA 8270D/SIM	2-10-14	2-12-14	
Benzo(j,k)fluoranthene	**ND**	0.0079	EPA 8270D/SIM	2-10-14	2-12-14	
Benzo[a]pyrene	**ND**	0.0079	EPA 8270D/SIM	2-10-14	2-12-14	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0079	EPA 8270D/SIM	2-10-14	2-12-14	
Dibenz[a,h]anthracene	**ND**	0.0079	EPA 8270D/SIM	2-10-14	2-12-14	
Benzo[g,h,i]perylene	**0.0086**	0.0079	EPA 8270D/SIM	2-10-14	2-12-14	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*76*	*43 - 116*				
Pyrene-d10	*74*	*33 - 124*				
Terphenyl-d14	*71*	*38 - 125*				

Date of Report: February 18, 2014
Samples Submitted: February 6, 2014
Laboratory Reference: 1402-035
Project: 17800-26

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Sediment
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0210S1					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	2-10-14	2-12-14	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	2-10-14	2-12-14	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	2-10-14	2-12-14	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	2-10-14	2-12-14	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	2-10-14	2-12-14	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	2-10-14	2-12-14	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	2-10-14	2-12-14	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	2-10-14	2-12-14	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	2-10-14	2-12-14	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	2-10-14	2-12-14	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	2-10-14	2-12-14	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	2-10-14	2-12-14	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	2-10-14	2-12-14	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	2-10-14	2-12-14	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	2-10-14	2-12-14	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	2-10-14	2-12-14	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	2-10-14	2-12-14	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	2-10-14	2-12-14	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*87*	*43 - 116*				
Pyrene-d10	*86*	*33 - 124*				
Terphenyl-d14	*84*	*38 - 125*				

Date of Report: February 18, 2014
Samples Submitted: February 6, 2014
Laboratory Reference: 1402-035
Project: 17800-26

PAHs EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Sediment
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0210S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0719**	**0.0669**	0.0833	0.0833	86	80	45 - 109	7	29	
Acenaphthylene	**0.0712**	**0.0707**	0.0833	0.0833	85	85	54 - 118	1	18	
Acenaphthene	**0.0707**	**0.0700**	0.0833	0.0833	85	84	60 - 108	1	14	
Fluorene	**0.0678**	**0.0669**	0.0833	0.0833	81	80	61 - 113	1	13	
Phenanthrene	**0.0644**	**0.0643**	0.0833	0.0833	77	77	63 - 106	0	13	
Anthracene	**0.0759**	**0.0766**	0.0833	0.0833	91	92	55 - 130	1	13	
Fluoranthene	**0.0688**	**0.0693**	0.0833	0.0833	83	83	66 - 118	1	13	
Pyrene	**0.0693**	**0.0695**	0.0833	0.0833	83	83	69 - 112	0	12	
Benzo[a]anthracene	**0.0651**	**0.0645**	0.0833	0.0833	78	77	58 - 115	1	13	
Chrysene	**0.0720**	**0.0706**	0.0833	0.0833	86	85	64 - 114	2	11	
Benzo[b]fluoranthene	**0.0656**	**0.0642**	0.0833	0.0833	79	77	52 - 125	2	19	
Benzo(j,k)fluoranthene	**0.0733**	**0.0708**	0.0833	0.0833	88	85	50 - 126	3	22	
Benzo[a]pyrene	**0.0702**	**0.0697**	0.0833	0.0833	84	84	43 - 123	1	16	
Indeno(1,2,3-c,d)pyrene	**0.0668**	**0.0672**	0.0833	0.0833	80	81	55 - 118	1	16	
Dibenz[a,h]anthracene	**0.0621**	**0.0633**	0.0833	0.0833	75	76	57 - 120	2	15	
Benzo[g,h,i]perylene	**0.0665**	**0.0666**	0.0833	0.0833	80	80	58 - 113	0	18	
Surrogate:										
2-Fluorobiphenyl					*86*	*80*	*43 - 116*			
Pyrene-d10					*81*	*80*	*33 - 124*			
Terphenyl-d14					*80*	*80*	*38 - 125*			

Date of Report: February 18, 2014
Samples Submitted: February 6, 2014
Laboratory Reference: 1402-035
Project: 17800-26

TOTAL METALS
EPA 6010C

Matrix: Sediment
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	02-035-01					
Client ID:	**SS-06-2014-01-28**					
Arsenic	**ND**	12	6010C	2-10-14	2-12-14	
Copper	**9.3**	1.2	6010C	2-10-14	2-12-14	
Lead	**ND**	5.9	6010C	2-10-14	2-12-14	
Zinc	**21**	3.0	6010C	2-10-14	2-12-14	

Date of Report: February 18, 2014
Samples Submitted: February 6, 2014
Laboratory Reference: 1402-035
Project: 17800-26

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted:	2-10-14
Date Analyzed:	2-12-14
Matrix:	Solid
Units:	mg/kg (ppm)
Lab ID:	MB0210SM1

Analyte	Method	Result	PQL
Arsenic	6010C	**ND**	10
Copper	6010C	**ND**	1.0
Lead	6010C	**ND**	5.0
Zinc	6010C	**ND**	2.5

Date of Report: February 18, 2014
Samples Submitted: February 6, 2014
Laboratory Reference: 1402-035
Project: 17800-26

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 2-10-14
Date Analyzed: 2-12-14

Matrix: Solid
Units: mg/kg (ppm)

Lab ID: 02-041-03

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	10	
Copper	**11.6**	**13.6**	16	1.0	
Lead	**ND**	**ND**	NA	5.0	
Zinc	**23.0**	**22.6**	2	2.5	

Date of Report: February 18, 2014
Samples Submitted: February 6, 2014
Laboratory Reference: 1402-035
Project: 17800-26

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 2-10-14
Date Analyzed: 2-12-14

Matrix: Solid
Units: mg/kg (ppm)

Lab ID: 02-041-03

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**92.8**	93	**93.8**	94	1	
Copper	50.0	**58.1**	93	**62.2**	101	7	
Lead	250	**228**	91	**230**	92	1	
Zinc	100	**117**	94	**118**	95	1	

Date of Report: February 18, 2014
Samples Submitted: February 6, 2014
Laboratory Reference: 1402-035
Project: 17800-26

TOTAL METALS
EPA 6010C
SPIKE BLANK QUALITY CONTROL

Date Extracted: 2-10-14
Date Analyzed: 2-12-14

Matrix: Solid
Units: mg/kg (ppm)

Lab ID: SB0210SM1

Analyte	Method	Spike Level	SB Result	Percent Recovery
Arsenic	6010C	100	**98.4**	98
Copper	6010C	50.0	**51.7**	103
Lead	6010C	250	**246**	98
Zinc	6010C	100	**97.4**	97

Date of Report: February 18, 2014
Samples Submitted: February 6, 2014
Laboratory Reference: 1402-035
Project: 17800-26

% MOISTURE

Date Analyzed: 2-10-14

Client ID	Lab ID	% Moisture
SS-06-2014-01-28	02-035-01	15

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Sample Custody Record

Samples Shipped to: On Site

pg 1 of 1

HARTCROWSER
Hart Crowser, Inc.
1700 Westlake Avenue North, Suite 200
Seattle, Washington 98109-6212
Office: 206.324.9530 • Fax 206.328.5581

JOB 17800-26 LAB NUMBER 02-035

PROJECT NAME Northlake Shipyard

HART CROWSER CONTACT Kerry Hosken

SAMPLED BY: KJH

REQUESTED ANALYSIS: PAH (EPA 8270 D); Cu, Pb, Zn, As (EPA 6010 B); Homogenize

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	PAH (EPA 8270 D)	Cu, Pb, Zn, As (EPA 6010 B)	Homogenize	NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
1	SS-06-2014-01-28		1/28/14	0857	Sediment	X	X	X	1	

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE: [signature]	2/6/14	SIGNATURE: [signature]	2/6/14
PRINT NAME: Kerry Hosken	TIME: 0745	PRINT NAME: M. Voun	TIME: 1000
COMPANY: Hart Crowser		COMPANY: OBE	

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE		SIGNATURE	
PRINT NAME	TIME	PRINT NAME	TIME
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. ______ for Other Contract Requirements

1 TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS: ☐YES ☐NO ☐N/A
GOOD CONDITION: ☐YES ☐NO
TEMPERATURE ______
SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

TURNAROUND TIME:
☐ 24 HOURS ☐ 1 WEEK
☐ 48 HOURS ☒ STANDARD
☐ 72 HOURS OTHER ______

White and Yellow Copies to Lab · Pink to Project Manager · Lab to Return White Copy to Hart Crowser · Gold to Sample Custodian

OnSite Environmental Inc.

14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

February 26, 2014

Kerry Hosken
Hart Crowser, Inc.
1700 Westlake Avenue North, Suite 200
Seattle, WA 98109-3056

Re: Analytical Data for Project 17800-26
Laboratory Reference No. 1402-125

Dear Kerry:

Enclosed are the analytical results and associated quality control data for samples submitted on February 18, 2014.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: February 26, 2014
Samples Submitted: February 18, 2014
Laboratory Reference: 1402-125
Project: 17800-26

Case Narrative

Samples were collected on February 7 and 17, 2014 and received by the laboratory on February 18, 2014. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: February 26, 2014
Samples Submitted: February 18, 2014
Laboratory Reference: 1402-125
Project: 17800-26

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SS-05-2014-02-17**					
Laboratory ID:	02-125-01					
Naphthalene	**0.13**	0.041	EPA 8270D/SIM	2-20-14	2-21-14	
2-Methylnaphthalene	**0.083**	0.041	EPA 8270D/SIM	2-20-14	2-21-14	
1-Methylnaphthalene	**0.11**	0.041	EPA 8270D/SIM	2-20-14	2-21-14	
Acenaphthylene	**ND**	0.041	EPA 8270D/SIM	2-20-14	2-21-14	
Acenaphthene	**0.078**	0.041	EPA 8270D/SIM	2-20-14	2-21-14	
Fluorene	**0.063**	0.041	EPA 8270D/SIM	2-20-14	2-21-14	
Phenanthrene	**0.22**	0.041	EPA 8270D/SIM	2-20-14	2-21-14	
Anthracene	**0.10**	0.041	EPA 8270D/SIM	2-20-14	2-21-14	
Fluoranthene	**0.19**	0.041	EPA 8270D/SIM	2-20-14	2-21-14	
Pyrene	**0.21**	0.041	EPA 8270D/SIM	2-20-14	2-21-14	
Benzo[a]anthracene	**0.066**	0.041	EPA 8270D/SIM	2-20-14	2-21-14	
Chrysene	**0.070**	0.041	EPA 8270D/SIM	2-20-14	2-21-14	
Benzo[b]fluoranthene	**0.041**	0.041	EPA 8270D/SIM	2-20-14	2-21-14	
Benzo(j,k)fluoranthene	**ND**	0.041	EPA 8270D/SIM	2-20-14	2-21-14	
Benzo[a]pyrene	**0.063**	0.041	EPA 8270D/SIM	2-20-14	2-21-14	
Indeno(1,2,3-c,d)pyrene	**ND**	0.041	EPA 8270D/SIM	2-20-14	2-21-14	
Dibenz[a,h]anthracene	**ND**	0.041	EPA 8270D/SIM	2-20-14	2-21-14	
Benzo[g,h,i]perylene	**0.041**	0.041	EPA 8270D/SIM	2-20-14	2-21-14	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*66*	*43 - 116*				
Pyrene-d10	*69*	*33 - 124*				
Terphenyl-d14	*69*	*38 - 125*				

Date of Report: February 26, 2014
Samples Submitted: February 18, 2014
Laboratory Reference: 1402-125
Project: 17800-26

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SS-04-2014-02-07**					
Laboratory ID:	02-125-02					
Naphthalene	**ND**	0.046	EPA 8270D/SIM	2-20-14	2-21-14	
2-Methylnaphthalene	**ND**	0.046	EPA 8270D/SIM	2-20-14	2-21-14	
1-Methylnaphthalene	**ND**	0.046	EPA 8270D/SIM	2-20-14	2-21-14	
Acenaphthylene	**ND**	0.046	EPA 8270D/SIM	2-20-14	2-21-14	
Acenaphthene	**ND**	0.046	EPA 8270D/SIM	2-20-14	2-21-14	
Fluorene	**ND**	0.046	EPA 8270D/SIM	2-20-14	2-21-14	
Phenanthrene	**ND**	0.046	EPA 8270D/SIM	2-20-14	2-21-14	
Anthracene	**ND**	0.046	EPA 8270D/SIM	2-20-14	2-21-14	
Fluoranthene	**ND**	0.046	EPA 8270D/SIM	2-20-14	2-21-14	
Pyrene	**ND**	0.046	EPA 8270D/SIM	2-20-14	2-21-14	
Benzo[a]anthracene	**ND**	0.046	EPA 8270D/SIM	2-20-14	2-21-14	
Chrysene	**ND**	0.046	EPA 8270D/SIM	2-20-14	2-21-14	
Benzo[b]fluoranthene	**ND**	0.046	EPA 8270D/SIM	2-20-14	2-21-14	
Benzo(j,k)fluoranthene	**ND**	0.046	EPA 8270D/SIM	2-20-14	2-21-14	
Benzo[a]pyrene	**ND**	0.046	EPA 8270D/SIM	2-20-14	2-21-14	
Indeno(1,2,3-c,d)pyrene	**ND**	0.046	EPA 8270D/SIM	2-20-14	2-21-14	
Dibenz[a,h]anthracene	**ND**	0.046	EPA 8270D/SIM	2-20-14	2-21-14	
Benzo[g,h,i]perylene	**ND**	0.046	EPA 8270D/SIM	2-20-14	2-21-14	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*69*	*43 - 116*				
Pyrene-d10	*71*	*33 - 124*				
Terphenyl-d14	*71*	*38 - 125*				

Date of Report: February 26, 2014
Samples Submitted: February 18, 2014
Laboratory Reference: 1402-125
Project: 17800-26

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0220S1					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	2-20-14	2-20-14	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	2-20-14	2-20-14	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	2-20-14	2-20-14	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	2-20-14	2-20-14	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	2-20-14	2-20-14	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	2-20-14	2-20-14	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	2-20-14	2-20-14	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	2-20-14	2-20-14	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	2-20-14	2-20-14	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	2-20-14	2-20-14	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	2-20-14	2-20-14	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	2-20-14	2-20-14	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	2-20-14	2-20-14	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	2-20-14	2-20-14	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	2-20-14	2-20-14	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	2-20-14	2-20-14	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	2-20-14	2-20-14	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	2-20-14	2-20-14	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*77*	*43 - 116*				
Pyrene-d10	*84*	*33 - 124*				
Terphenyl-d14	*84*	*38 - 125*				

Date of Report: February 26, 2014
Samples Submitted: February 18, 2014
Laboratory Reference: 1402-125
Project: 17800-26

PAHs EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	02-142-02										
	MS	MSD	MS	MSD		MS	MSD				
Naphthalene	**0.0606**	**0.0573**	0.0833	0.0833	ND	73	69	47 - 99	6	30	
Acenaphthylene	**0.0661**	**0.0620**	0.0833	0.0833	ND	79	74	41 - 118	6	26	
Acenaphthene	**0.0649**	**0.0592**	0.0833	0.0833	ND	78	71	43 - 112	9	28	
Fluorene	**0.0603**	**0.0543**	0.0833	0.0833	ND	72	65	41 - 119	10	25	
Phenanthrene	**0.0539**	**0.0485**	0.0833	0.0833	ND	65	58	40 - 115	11	24	
Anthracene	**0.0908**	**0.0782**	0.0833	0.0833	ND	109	94	41 - 140	15	25	
Fluoranthene	**0.0648**	**0.0562**	0.0833	0.0833	ND	78	67	36 -128	14	26	
Pyrene	**0.0642**	**0.0560**	0.0833	0.0833	ND	77	67	36 - 123	14	24	
Benzo[a]anthracene	**0.0661**	**0.0557**	0.0833	0.0833	ND	79	67	33 - 123	17	26	
Chrysene	**0.0635**	**0.0550**	0.0833	0.0833	ND	76	66	35 - 123	14	25	
Benzo[b]fluoranthene	**0.0618**	**0.0511**	0.0833	0.0833	ND	74	61	30 - 125	19	28	
Benzo(j,k)fluoranthene	**0.0599**	**0.0525**	0.0833	0.0833	ND	72	63	31 - 122	13	30	
Benzo[a]pyrene	**0.0692**	**0.0590**	0.0833	0.0833	ND	83	71	29 - 125	16	28	
Indeno(1,2,3-c,d)pyrene	**0.0593**	**0.0513**	0.0833	0.0833	ND	71	62	28 - 125	14	27	
Dibenz[a,h]anthracene	**0.0578**	**0.0497**	0.0833	0.0833	ND	69	60	32 - 124	15	27	
Benzo[g,h,i]perylene	**0.0568**	**0.0493**	0.0833	0.0833	ND	68	59	30 - 120	14	26	
Surrogate:											
2-Fluorobiphenyl						*64*	*61*	*43 - 116*			
Pyrene-d10						*74*	*64*	*33 - 124*			
Terphenyl-d14						*71*	*60*	*38 - 125*			

Date of Report: February 26, 2014
Samples Submitted: February 18, 2014
Laboratory Reference: 1402-125
Project: 17800-26

TOTAL METALS
EPA 6010C

Matrix: Soil
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	02-125-01					
Client ID:	**SS-05-2014-02-17**					
Arsenic	**ND**	15	6020A	2-19-14	2-26-14	
Copper	**21**	6.1	6010C	2-19-14	2-20-14	
Lead	**ND**	31	6010C	2-19-14	2-20-14	
Zinc	**33**	15	6010C	2-19-14	2-20-14	
Lab ID:	02-125-02					
Client ID:	**SS-04-2014-02-07**					
Arsenic	**140**	17	6020A	2-19-14	2-26-14	
Copper	**250**	7.0	6010C	2-19-14	2-20-14	
Lead	**130**	35	6010C	2-19-14	2-20-14	
Zinc	**360**	17	6010C	2-19-14	2-20-14	

Date of Report: February 26, 2014
Samples Submitted: February 18, 2014
Laboratory Reference: 1402-125
Project: 17800-26

TOTAL METALS
EPA 6010C
METHOD BLANK QUALITY CONTROL

Date Extracted:	2-19-14
Date Analyzed:	2-20&26-14
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0219SM2

Analyte	Method	Result	PQL
Arsenic	6020A	**ND**	2.5
Copper	6010C	**ND**	1.0
Lead	6010C	**ND**	5.0
Zinc	6010C	**ND**	2.5

Date of Report: February 26, 2014
Samples Submitted: February 18, 2014
Laboratory Reference: 1402-125
Project: 17800-26

TOTAL METALS
EPA 6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 2-19-14
Date Analyzed: 2-20&26-14

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 02-108-06

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**ND**	**ND**	NA	2.5	
Copper	**6.75**	**6.40**	5	1.0	
Lead	**ND**	**ND**	NA	5.0	
Zinc	**16.4**	**15.5**	5	2.5	

Date of Report: February 26, 2014
Samples Submitted: February 18, 2014
Laboratory Reference: 1402-125
Project: 17800-26

TOTAL METALS
EPA 6010C
MS/MSD QUALITY CONTROL

Date Extracted: 2-19-14
Date Analyzed: 2-20&26-14

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 02-108-06

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**101.0**	101	**108**	108	7	
Copper	50.0	**59.0**	105	**60.7**	108	3	
Lead	250	**246**	98	**255**	102	4	
Zinc	100	**115**	98	**117**	101	3	

Date of Report: February 26, 2014
Samples Submitted: February 18, 2014
Laboratory Reference: 1402-125
Project: 17800-26

TOTAL METALS
EPA 6010C
SPIKE BLANK QUALITY CONTROL

Date Extracted: 2-19-14
Date Analyzed: 2-20&26-14

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0219SM2

Analyte	Method	Spike Level	SB Result	Percent Recovery
Arsenic	6020A	100	**105**	105
Copper	6010C	50.0	**54.9**	110
Lead	6010C	250	**259**	104
Zinc	6010C	100	**99.7**	100

Date of Report: February 26, 2014
Samples Submitted: February 18, 2014
Laboratory Reference: 1402-125
Project: 17800-26

% MOISTURE

Date Analyzed: 2-19-14

Client ID	Lab ID	% Moisture
SS-05-2014-02-17	02-125-01	84
SS-04-2014-02-07	02-125-02	86

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Sample Custody Record

pg 1 of 1

Samples Shipped to: On Site

HARTCROWSER

Hart Crowser, Inc.
1700 Westlake Avenue North, Suite 200
Seattle, Washington 98109-6212
Office: 206.324.9530 • Fax 206.328.5581

JOB 17800-26 LAB NUMBER 02-125

PROJECT NAME Northlake Shipyard

HART CROWSER CONTACT Kerry Hosken

SAMPLED BY: KJH

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	REQUESTED ANALYSIS: PAH (EPA 8270D)	REQUESTED ANALYSIS: Cu, Zn, As, Pb (EPA 6010B)	REQUESTED ANALYSIS: Total Solids	NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
~~SS-04-2014-02-07 KH~~			~~2/7/14 KH~~		~~Sediment~~	X	X KH		~~1 KH~~	
1	SS-05-2014-02-17		2/17/14	1155	Sediment	X	X	X	1	
2	SS-04-2014-02-07		2/7/14	1350	Sediment	X	X	X	1	

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	2/18/14	SIGNATURE	2/18/14
PRINT NAME: Kerry Hosken	TIME	PRINT NAME: MARVIN	TIME
COMPANY: Hart Crowser	0744	COMPANY: GSE	1230
RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	TIME	SIGNATURE	TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. _____ for Other Contract Requirements

2 TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS: ☐YES ☐NO ☐N/A
GOOD CONDITION ☐YES ☐NO
TEMPERATURE _____
SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

TURNAROUND TIME:
☐ 24 HOURS ☐ 1 WEEK
☐48 HOURS ☒STANDARD
☐72 HOURS OTHER _____

White and Yellow Copies to Lab Pink to Project Manager Lab to Return White Copy to Hart Crowser Gold to Sample Custodian

OnSite Environmental Inc.

14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 10, 2014

Kerry Hosken
Hart Crowser, Inc.
1700 Westlake Avenue North, Suite 200
Seattle, WA 98109-3056

Re: Analytical Data for Project 17800-26
Laboratory Reference No. 1402-193

Dear Kerry:

Enclosed are the analytical results and associated quality control data for samples submitted on February 26, 2014.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: March 10, 2014
Samples Submitted: February 26, 2014
Laboratory Reference: 1402-193
Project: 17800-26

Case Narrative

Samples were collected on February 25, 2014 and received by the laboratory on February 26, 2014. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: March 10, 2014
Samples Submitted: February 26, 2014
Laboratory Reference: 1402-193
Project: 17800-26

PAHs EPA 8270D/SIM

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SS-01-2014-02-25**					
Laboratory ID:	02-193-01					
Naphthalene	**ND**	0.062	EPA 8270D/SIM	2-27-14	2-27-14	
2-Methylnaphthalene	**ND**	0.062	EPA 8270D/SIM	2-27-14	2-27-14	
1-Methylnaphthalene	**ND**	0.062	EPA 8270D/SIM	2-27-14	2-27-14	
Acenaphthylene	**ND**	0.062	EPA 8270D/SIM	2-27-14	2-27-14	
Acenaphthene	**ND**	0.062	EPA 8270D/SIM	2-27-14	2-27-14	
Fluorene	**ND**	0.062	EPA 8270D/SIM	2-27-14	2-27-14	
Phenanthrene	**ND**	0.062	EPA 8270D/SIM	2-27-14	2-27-14	
Anthracene	**ND**	0.062	EPA 8270D/SIM	2-27-14	2-27-14	
Fluoranthene	**ND**	0.062	EPA 8270D/SIM	2-27-14	2-27-14	
Pyrene	**ND**	0.062	EPA 8270D/SIM	2-27-14	2-27-14	
Benzo[a]anthracene	**ND**	0.062	EPA 8270D/SIM	2-27-14	2-27-14	
Chrysene	**ND**	0.062	EPA 8270D/SIM	2-27-14	2-27-14	
Benzo[b]fluoranthene	**ND**	0.062	EPA 8270D/SIM	2-27-14	2-27-14	
Benzo(j,k)fluoranthene	**ND**	0.062	EPA 8270D/SIM	2-27-14	2-27-14	
Benzo[a]pyrene	**ND**	0.062	EPA 8270D/SIM	2-27-14	2-27-14	
Indeno(1,2,3-c,d)pyrene	**ND**	0.062	EPA 8270D/SIM	2-27-14	2-27-14	
Dibenz[a,h]anthracene	**ND**	0.062	EPA 8270D/SIM	2-27-14	2-27-14	
Benzo[g,h,i]perylene	**ND**	0.062	EPA 8270D/SIM	2-27-14	2-27-14	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*62*	*43 - 116*				
Pyrene-d10	*75*	*33 - 124*				
Terphenyl-d14	*71*	*38 - 125*				

Date of Report: March 10, 2014
Samples Submitted: February 26, 2014
Laboratory Reference: 1402-193
Project: 17800-26

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0227S1					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	2-27-14	2-27-14	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	2-27-14	2-27-14	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	2-27-14	2-27-14	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	2-27-14	2-27-14	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	2-27-14	2-27-14	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	2-27-14	2-27-14	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	2-27-14	2-27-14	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	2-27-14	2-27-14	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	2-27-14	2-27-14	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	2-27-14	2-27-14	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	2-27-14	2-27-14	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	2-27-14	2-27-14	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	2-27-14	2-27-14	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	2-27-14	2-27-14	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	2-27-14	2-27-14	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	2-27-14	2-27-14	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	2-27-14	2-27-14	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	2-27-14	2-27-14	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*81*	*43 - 116*				
Pyrene-d10	*91*	*33 - 124*				
Terphenyl-d14	*86*	*38 - 125*				

Date of Report: March 10, 2014
Samples Submitted: February 26, 2014
Laboratory Reference: 1402-193
Project: 17800-26

PAHs EPA 8270D/SIM
MS/MSD QUALITY CONTROL

Matrix: Soil
Units: mg/Kg

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	02-208-01										
	MS	MSD	MS	MSD		MS	MSD				
Naphthalene	**0.0666**	**0.0686**	0.0833	0.0833	ND	80	82	47 - 99	3	30	
Acenaphthylene	**0.0775**	**0.0800**	0.0833	0.0833	ND	93	96	41 - 118	3	26	
Acenaphthene	**0.0751**	**0.0786**	0.0833	0.0833	ND	90	94	43 - 112	5	28	
Fluorene	**0.0685**	**0.0684**	0.0833	0.0833	ND	82	82	41 - 119	0	25	
Phenanthrene	**0.0661**	**0.0660**	0.0833	0.0833	ND	79	79	40 - 115	0	24	
Anthracene	**0.0964**	**0.0954**	0.0833	0.0833	ND	116	115	41 - 140	1	25	
Fluoranthene	**0.0756**	**0.0754**	0.0833	0.0833	ND	91	91	36 -128	0	26	
Pyrene	**0.0747**	**0.0745**	0.0833	0.0833	ND	90	89	36 - 123	0	24	
Benzo[a]anthracene	**0.0772**	**0.0760**	0.0833	0.0833	ND	93	91	33 - 123	2	26	
Chrysene	**0.0700**	**0.0682**	0.0833	0.0833	ND	84	82	35 - 123	3	25	
Benzo[b]fluoranthene	**0.0718**	**0.0679**	0.0833	0.0833	ND	86	82	30 - 125	6	28	
Benzo(j,k)fluoranthene	**0.0695**	**0.0680**	0.0833	0.0833	ND	83	82	31 - 122	2	30	
Benzo[a]pyrene	**0.0814**	**0.0778**	0.0833	0.0833	ND	98	93	29 - 125	5	28	
Indeno(1,2,3-c,d)pyrene	**0.0712**	**0.0709**	0.0833	0.0833	ND	85	85	28 - 125	0	27	
Dibenz[a,h]anthracene	**0.0691**	**0.0689**	0.0833	0.0833	ND	83	83	32 - 124	0	27	
Benzo[g,h,i]perylene	**0.0688**	**0.0649**	0.0833	0.0833	ND	83	78	30 - 120	6	26	
Surrogate:											
2-Fluorobiphenyl						*81*	*83*	*43 - 116*			
Pyrene-d10						*91*	*90*	*33 - 124*			
Terphenyl-d14						*82*	*81*	*38 - 125*			

Date of Report: March 10, 2014
Samples Submitted: February 26, 2014
Laboratory Reference: 1402-193
Project: 17800-26

TOTAL METALS
EPA 6020A/6010C

Matrix: Sediment
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	02-193-01					
Client ID:	**SS-01-2014-02-25**					
Arsenic	**14**	12	6020A	2-28-14	3-7-14	
Copper	**24**	9.2	6010C	2-28-14	2-28-14	
Lead	**ND**	46	6010C	2-28-14	2-28-14	
Zinc	**35**	23	6010C	2-28-14	2-28-14	

Date of Report: March 10, 2014
Samples Submitted: February 26, 2014
Laboratory Reference: 1402-193
Project: 17800-26

TOTAL METALS
EPA 6020A/6010C
METHOD BLANK QUALITY CONTROL

Date Extracted:	2-28-14
Date Analyzed:	2-28&3-7-14
Matrix:	Soil
Units:	mg/kg (ppm)
Lab ID:	MB0228SM1

Analyte	Method	Result	PQL
Arsenic	6020A	**ND**	1.3
Copper	6010C	**ND**	1.0
Lead	6010C	**ND**	5.0
Zinc	6010C	**ND**	2.5

Date of Report: March 10, 2014
Samples Submitted: February 26, 2014
Laboratory Reference: 1402-193
Project: 17800-26

TOTAL METALS
EPA 6020A/6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 2-28-14
Date Analyzed: 2-28&3-7-14

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 02-222-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**3.28**	**3.15**	4	1.3	
Copper	**30.6**	**30.8**	0	1.0	
Lead	**5.75**	**5.05**	13	5.0	
Zinc	**52.1**	**51.4**	1	2.5	

Date of Report: March 10, 2014
Samples Submitted: February 26, 2014
Laboratory Reference: 1402-193
Project: 17800-26

TOTAL METALS
EPA 6020A/6010C
MS/MSD QUALITY CONTROL

Date Extracted: 2-28-14
Date Analyzed: 2-28&3-7-14

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 02-222-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**93.0**	90	**100**	97	8	
Copper	50.0	**80.3**	99	**84.1**	107	5	
Lead	250	**236**	92	**240**	94	2	
Zinc	100	**146**	94	**151**	99	4	

Date of Report: March 10, 2014
Samples Submitted: February 26, 2014
Laboratory Reference: 1402-193
Project: 17800-26

TOTAL METALS
EPA 6020A/6010C
SPIKE BLANK QUALITY CONTROL

Date Extracted: 2-28-14
Date Analyzed: 2-28&3-7-14

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: SB0228SM1

Analyte	Method	Spike Level	SB Result	Percent Recovery
Arsenic	6020A	100	**97.5**	98
Copper	6010C	50.0	**52.1**	104
Lead	6010C	250	**252**	101
Zinc	6010C	100	**96.9**	97

Date of Report: March 10, 2014
Samples Submitted: February 26, 2014
Laboratory Reference: 1402-193
Project: 17800-26

% MOISTURE

Date Analyzed: 2-27-14

Client ID	Lab ID	% Moisture
SS-01-2014-02-25	02-193-01	89

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Sample Custody Record

Samples Shipped to: _____

HARTCROWSER

Hart Crowser, Inc.
1700 Westlake Avenue North, Suite 200
Seattle, Washington 98109-6212
Office: 206.324.9530 • Fax 206.328.5581

JOB 17800-26 LAB NUMBER 02-193

PROJECT NAME Northlake Shipyard

HART CROWSER CONTACT Kerry Hosken

SAMPLED BY: KJH

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	PAH (EPA 8270 D)	As, Cu, Zn, Pb (EPA 6010B)	Dry weight	NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
1	SS-01-2014-02-25		2/25/14	1030	Sediment	X	X	X	1	

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE: Kerry Hosken	2/26/14	SIGNATURE: [illegible]	2/26/14
PRINT NAME: Kerry Hosken	TIME	PRINT NAME: [illegible]	TIME
COMPANY: Hart Crowser	0748	COMPANY: [illegible]	0930
RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	TIME	SIGNATURE	TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:

1 TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS:
☐YES ☐NO ☐N/A
GOOD CONDITION
☐YES ☐NO
TEMPERATURE _____
SHIPMENT METHOD: ☐HAND
☐COURIER ☐OVERNIGHT

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. _____
for Other Contract Requirements

TURNAROUND TIME:
☐ 24 HOURS ☐ 1 WEEK
☐48 HOURS ☒STANDARD
☐72 HOURS OTHER _____

White and Yellow Copies to Lab Pink to Project Manager Lab to Return White Copy to Hart Crowser Gold to Sample Custodian

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 2, 2014

Kerry Hosken
Hart Crowser, Inc.
1700 Westlake Avenue North, Suite 200
Seattle, WA 98109-3056

Re: Analytical Data for Project 17800-26
Laboratory Reference No. 1403-190

Dear Kerry:

Enclosed are the analytical results and associated quality control data for samples submitted on March 26, 2014.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: April 2, 2014
Samples Submitted: March 26, 2014
Laboratory Reference: 1403-190
Project: 17800-26

Case Narrative

Samples were collected on March 17 and 25, 2014 and received by the laboratory on March 26, 2014. They were maintained at the laboratory at a temperature of 2°C to 6°C.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

Date of Report: April 2, 2014
Samples Submitted: March 26, 2014
Laboratory Reference: 1403-190
Project: 17800-26

PAHs EPA 8270D/SIM

Matrix: Sediment
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SS-07-2014-03-25**					
Laboratory ID:	03-190-01					
Naphthalene	**0.11**	0.072	EPA 8270D/SIM	3-28-14	4-1-14	
2-Methylnaphthalene	**ND**	0.072	EPA 8270D/SIM	3-28-14	4-1-14	
1-Methylnaphthalene	**ND**	0.072	EPA 8270D/SIM	3-28-14	4-1-14	
Acenaphthylene	**ND**	0.072	EPA 8270D/SIM	3-28-14	4-1-14	
Acenaphthene	**ND**	0.072	EPA 8270D/SIM	3-28-14	4-1-14	
Fluorene	**ND**	0.072	EPA 8270D/SIM	3-28-14	4-1-14	
Phenanthrene	**0.18**	0.072	EPA 8270D/SIM	3-28-14	4-1-14	
Anthracene	**0.078**	0.072	EPA 8270D/SIM	3-28-14	4-1-14	
Fluoranthene	**0.33**	0.072	EPA 8270D/SIM	3-28-14	4-1-14	
Pyrene	**0.37**	0.072	EPA 8270D/SIM	3-28-14	4-1-14	
Benzo[a]anthracene	**0.13**	0.072	EPA 8270D/SIM	3-28-14	4-1-14	
Chrysene	**0.12**	0.072	EPA 8270D/SIM	3-28-14	4-1-14	
Benzo[b]fluoranthene	**0.087**	0.072	EPA 8270D/SIM	3-28-14	4-1-14	
Benzo(j,k)fluoranthene	**0.076**	0.072	EPA 8270D/SIM	3-28-14	4-1-14	
Benzo[a]pyrene	**0.12**	0.072	EPA 8270D/SIM	3-28-14	4-1-14	
Indeno(1,2,3-c,d)pyrene	**0.073**	0.072	EPA 8270D/SIM	3-28-14	4-1-14	
Dibenz[a,h]anthracene	**ND**	0.072	EPA 8270D/SIM	3-28-14	4-1-14	
Benzo[g,h,i]perylene	**0.11**	0.072	EPA 8270D/SIM	3-28-14	4-1-14	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*61*	*43 - 116*				
Pyrene-d10	*66*	*33 - 124*				
Terphenyl-d14	*59*	*38 - 125*				

Date of Report: April 2, 2014
Samples Submitted: March 26, 2014
Laboratory Reference: 1403-190
Project: 17800-26

PAHs EPA 8270D/SIM

Matrix: Sediment
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SS-08-2014-03-17**					
Laboratory ID:	03-190-02					
Naphthalene	**0.73**	0.055	EPA 8270D/SIM	3-28-14	4-1-14	
2-Methylnaphthalene	**ND**	0.055	EPA 8270D/SIM	3-28-14	4-1-14	
1-Methylnaphthalene	**ND**	0.055	EPA 8270D/SIM	3-28-14	4-1-14	
Acenaphthylene	**ND**	0.055	EPA 8270D/SIM	3-28-14	4-1-14	
Acenaphthene	**ND**	0.055	EPA 8270D/SIM	3-28-14	4-1-14	
Fluorene	**ND**	0.055	EPA 8270D/SIM	3-28-14	4-1-14	
Phenanthrene	**0.095**	0.055	EPA 8270D/SIM	3-28-14	4-1-14	
Anthracene	**ND**	0.055	EPA 8270D/SIM	3-28-14	4-1-14	
Fluoranthene	**0.15**	0.055	EPA 8270D/SIM	3-28-14	4-1-14	
Pyrene	**0.15**	0.055	EPA 8270D/SIM	3-28-14	4-1-14	
Benzo[a]anthracene	**0.078**	0.055	EPA 8270D/SIM	3-28-14	4-1-14	
Chrysene	**0.072**	0.055	EPA 8270D/SIM	3-28-14	4-1-14	
Benzo[b]fluoranthene	**0.055**	0.055	EPA 8270D/SIM	3-28-14	4-1-14	
Benzo(j,k)fluoranthene	**ND**	0.055	EPA 8270D/SIM	3-28-14	4-1-14	
Benzo[a]pyrene	**0.079**	0.055	EPA 8270D/SIM	3-28-14	4-1-14	
Indeno(1,2,3-c,d)pyrene	**ND**	0.055	EPA 8270D/SIM	3-28-14	4-1-14	
Dibenz[a,h]anthracene	**ND**	0.055	EPA 8270D/SIM	3-28-14	4-1-14	
Benzo[g,h,i]perylene	**0.061**	0.055	EPA 8270D/SIM	3-28-14	4-1-14	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*57*	*43 - 116*				
Pyrene-d10	*67*	*33 - 124*				
Terphenyl-d14	*60*	*38 - 125*				

Date of Report: April 2, 2014
Samples Submitted: March 26, 2014
Laboratory Reference: 1403-190
Project: 17800-26

PAHs EPA 8270D/SIM

Matrix: Sediment
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SS-09-2014-03-17**					
Laboratory ID:	03-190-03					
Naphthalene	**0.14**	0.056	EPA 8270D/SIM	3-28-14	4-1-14	
2-Methylnaphthalene	**ND**	0.056	EPA 8270D/SIM	3-28-14	4-1-14	
1-Methylnaphthalene	**ND**	0.056	EPA 8270D/SIM	3-28-14	4-1-14	
Acenaphthylene	**ND**	0.056	EPA 8270D/SIM	3-28-14	4-1-14	
Acenaphthene	**0.064**	0.056	EPA 8270D/SIM	3-28-14	4-1-14	
Fluorene	**0.070**	0.056	EPA 8270D/SIM	3-28-14	4-1-14	
Phenanthrene	**0.28**	0.056	EPA 8270D/SIM	3-28-14	4-1-14	
Anthracene	**0.097**	0.056	EPA 8270D/SIM	3-28-14	4-1-14	
Fluoranthene	**0.37**	0.056	EPA 8270D/SIM	3-28-14	4-1-14	
Pyrene	**0.39**	0.056	EPA 8270D/SIM	3-28-14	4-1-14	
Benzo[a]anthracene	**0.16**	0.056	EPA 8270D/SIM	3-28-14	4-1-14	
Chrysene	**0.17**	0.056	EPA 8270D/SIM	3-28-14	4-1-14	
Benzo[b]fluoranthene	**0.13**	0.056	EPA 8270D/SIM	3-28-14	4-1-14	
Benzo(j,k)fluoranthene	**0.12**	0.056	EPA 8270D/SIM	3-28-14	4-1-14	
Benzo[a]pyrene	**0.16**	0.056	EPA 8270D/SIM	3-28-14	4-1-14	
Indeno(1,2,3-c,d)pyrene	**0.098**	0.056	EPA 8270D/SIM	3-28-14	4-1-14	
Dibenz[a,h]anthracene	**ND**	0.056	EPA 8270D/SIM	3-28-14	4-1-14	
Benzo[g,h,i]perylene	**0.13**	0.056	EPA 8270D/SIM	3-28-14	4-1-14	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*65*	*43 - 116*				
Pyrene-d10	*76*	*33 - 124*				
Terphenyl-d14	*74*	*38 - 125*				

Date of Report: April 2, 2014
Samples Submitted: March 26, 2014
Laboratory Reference: 1403-190
Project: 17800-26

PAHs EPA 8270D/SIM
METHOD BLANK QUALITY CONTROL

Matrix: Sediment
Units: mg/Kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0328S1					
Naphthalene	**ND**	0.0067	EPA 8270D/SIM	3-28-14	3-31-14	
2-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	3-28-14	3-31-14	
1-Methylnaphthalene	**ND**	0.0067	EPA 8270D/SIM	3-28-14	3-31-14	
Acenaphthylene	**ND**	0.0067	EPA 8270D/SIM	3-28-14	3-31-14	
Acenaphthene	**ND**	0.0067	EPA 8270D/SIM	3-28-14	3-31-14	
Fluorene	**ND**	0.0067	EPA 8270D/SIM	3-28-14	3-31-14	
Phenanthrene	**ND**	0.0067	EPA 8270D/SIM	3-28-14	3-31-14	
Anthracene	**ND**	0.0067	EPA 8270D/SIM	3-28-14	3-31-14	
Fluoranthene	**ND**	0.0067	EPA 8270D/SIM	3-28-14	3-31-14	
Pyrene	**ND**	0.0067	EPA 8270D/SIM	3-28-14	3-31-14	
Benzo[a]anthracene	**ND**	0.0067	EPA 8270D/SIM	3-28-14	3-31-14	
Chrysene	**ND**	0.0067	EPA 8270D/SIM	3-28-14	3-31-14	
Benzo[b]fluoranthene	**ND**	0.0067	EPA 8270D/SIM	3-28-14	3-31-14	
Benzo(j,k)fluoranthene	**ND**	0.0067	EPA 8270D/SIM	3-28-14	3-31-14	
Benzo[a]pyrene	**ND**	0.0067	EPA 8270D/SIM	3-28-14	3-31-14	
Indeno(1,2,3-c,d)pyrene	**ND**	0.0067	EPA 8270D/SIM	3-28-14	3-31-14	
Dibenz[a,h]anthracene	**ND**	0.0067	EPA 8270D/SIM	3-28-14	3-31-14	
Benzo[g,h,i]perylene	**ND**	0.0067	EPA 8270D/SIM	3-28-14	3-31-14	
Surrogate:	*Percent Recovery*	*Control Limits*				
2-Fluorobiphenyl	*96*	*43 - 116*				
Pyrene-d10	*101*	*33 - 124*				
Terphenyl-d14	*90*	*38 - 125*				

Date of Report: April 2, 2014
Samples Submitted: March 26, 2014
Laboratory Reference: 1403-190
Project: 17800-26

PAHs EPA 8270D/SIM
SB/SBD QUALITY CONTROL

Matrix: Sediment
Units: mg/Kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0328S1									
	SB	SBD	SB	SBD	SB	SBD				
Naphthalene	**0.0730**	**0.0700**	0.0833	0.0833	88	84	45 - 109	4	29	
Acenaphthylene	**0.0663**	**0.0635**	0.0833	0.0833	80	76	54 - 118	4	18	
Acenaphthene	**0.0746**	**0.0712**	0.0833	0.0833	90	85	60 - 108	5	14	
Fluorene	**0.0741**	**0.0704**	0.0833	0.0833	89	85	61 - 113	5	13	
Phenanthrene	**0.0765**	**0.0752**	0.0833	0.0833	92	90	63 - 106	2	13	
Anthracene	**0.0894**	**0.0901**	0.0833	0.0833	107	108	55 - 130	1	13	
Fluoranthene	**0.0787**	**0.0792**	0.0833	0.0833	94	95	66 - 118	1	13	
Pyrene	**0.0801**	**0.0811**	0.0833	0.0833	96	97	69 - 112	1	12	
Benzo[a]anthracene	**0.0797**	**0.0807**	0.0833	0.0833	96	97	58 - 115	1	13	
Chrysene	**0.0851**	**0.0867**	0.0833	0.0833	102	104	64 - 114	2	11	
Benzo[b]fluoranthene	**0.0703**	**0.0715**	0.0833	0.0833	84	86	52 - 125	2	19	
Benzo(j,k)fluoranthene	**0.0714**	**0.0783**	0.0833	0.0833	86	94	50 - 126	9	22	
Benzo[a]pyrene	**0.0707**	**0.0723**	0.0833	0.0833	85	87	43 - 123	2	16	
Indeno(1,2,3-c,d)pyrene	**0.0716**	**0.0743**	0.0833	0.0833	86	89	55 - 118	4	16	
Dibenz[a,h]anthracene	**0.0765**	**0.0793**	0.0833	0.0833	92	95	57 - 120	4	15	
Benzo[g,h,i]perylene	**0.0801**	**0.0807**	0.0833	0.0833	96	97	58 - 113	1	18	
Surrogate:										
2-Fluorobiphenyl					*96*	*90*	*43 - 116*			
Pyrene-d10					*99*	*100*	*33 - 124*			
Terphenyl-d14					*89*	*94*	*38 - 125*			

Date of Report: April 2, 2014
Samples Submitted: March 26, 2014
Laboratory Reference: 1403-190
Project: 17800-26

TOTAL METALS
EPA 6020A/6010C

Matrix: Sediment
Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	03-190-01					
Client ID:	**SS-07-2014-03-25**					
Arsenic	**35**	13	6020A	3-27-14	3-31-14	
Copper	**48**	11	6010C	3-27-14	3-27-14	
Lead	**ND**	54	6010C	3-27-14	3-27-14	
Zinc	**120**	27	6010C	3-27-14	3-27-14	
Lab ID:	03-190-02					
Client ID:	**SS-08-2014-03-17**					
Arsenic	**11**	10	6020A	3-27-14	3-31-14	
Copper	**21**	8.2	6010C	3-27-14	3-27-14	
Lead	**ND**	41	6010C	3-27-14	3-27-14	
Zinc	**32**	21	6010C	3-27-14	3-27-14	
Lab ID:	03-190-03					
Client ID:	**SS-09-2014-03-17**					
Arsenic	**50**	10	6020A	3-27-14	3-31-14	
Copper	**63**	8.4	6010C	3-27-14	3-27-14	
Lead	**ND**	42	6010C	3-27-14	3-27-14	
Zinc	**97**	21	6010C	3-27-14	3-27-14	

Date of Report: April 2, 2014
Samples Submitted: March 26, 2014
Laboratory Reference: 1403-190
Project: 17800-26

TOTAL METALS
EPA 6020A/6010C
METHOD BLANK QUALITY CONTROL

Date Extracted:	3-27-14
Date Analyzed:	3-27&31-14
Matrix:	Solid
Units:	mg/kg (ppm)
Lab ID:	MB0327SM2

Analyte	Method	Result	PQL
Arsenic	6020A	**ND**	1.3
Copper	6010C	**ND**	1.0
Lead	6010C	**ND**	5.0
Zinc	6010C	**ND**	2.5

Date of Report: April 2, 2014
Samples Submitted: March 26, 2014
Laboratory Reference: 1403-190
Project: 17800-26

TOTAL METALS
EPA 6020A/6010C
DUPLICATE QUALITY CONTROL

Date Extracted: 3-27-14
Date Analyzed: 3-27&31-14

Matrix: Solid
Units: mg/kg (ppm)

Lab ID: 03-183-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	**7.63**	**7.88**	3	1.3	
Copper	**20.9**	**23.0**	10	1.0	
Lead	**112**	**111**	0	5.0	
Zinc	**76.1**	**74.0**	3	2.5	

Date of Report: April 2, 2014
Samples Submitted: March 26, 2014
Laboratory Reference: 1403-190
Project: 17800-26

TOTAL METALS
EPA 6020A/6010C
MS/MSD QUALITY CONTROL

Date Extracted: 3-27-14
Date Analyzed: 3-27&31-14

Matrix: Solid
Units: mg/kg (ppm)

Lab ID: 03-183-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	**103**	95	**100**	92	3	
Copper	50.0	**71.0**	100	**72.8**	104	2	
Lead	250	**367**	102	**374**	105	2	
Zinc	100	**171**	95	**174**	98	2	

Date of Report: April 2, 2014
Samples Submitted: March 26, 2014
Laboratory Reference: 1403-190
Project: 17800-26

% MOISTURE

Date Analyzed: 3-27-14

Client ID	Lab ID	% Moisture
SS-07-2014-03-25	03-190-01	91
SS-08-2014-03-17	03-190-02	88
SS-09-2014-03-17	03-190-03	88

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-napthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1- Sample extract treated with a Sulfuric acid/Silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

Sample Custody Record

pg 1 of 1

Samples Shipped to: On Site

03-190

HARTCROWSER

Hart Crowser, Inc.
1700 Westlake Avenue North, Suite 200
Seattle, Washington 98109-6212
Office: 206.324.9530 • Fax 206.328.5581

JOB 17800-26 LAB NUMBER

PROJECT NAME Northlake Shipyard

HART CROWSER CONTACT Kerry Hosken

SAMPLED BY: KJH

LAB NO.	SAMPLE ID	DESCRIPTION	DATE	TIME	MATRIX	REQUESTED ANALYSIS: PAH (EPA 8270D)	Cu, As, Pb, Zn (EPA 6010 B)	% moisture	NO. OF CONTAINERS	OBSERVATIONS/COMMENTS/ COMPOSITING INSTRUCTIONS
1	SS-07-2014-03-25		3/25/14	0915	Sediment	X	X	X	1	
2	SS-08-2014-03-17		3/17/14	1030	"	X	X	X	1	
3	SS-09-2014-03-17		3/17/14	1138	"	X	X	X	1	

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	3/26/14	SIGNATURE	3/26/14
PRINT NAME Kerry Hosken	TIME	PRINT NAME	TIME
COMPANY Hart Crowser	0900	COMPANY	1230
RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	TIME	SIGNATURE	TIME
PRINT NAME		PRINT NAME	
COMPANY		COMPANY	

SPECIAL SHIPMENT HANDLING OR STORAGE REQUIREMENTS:

COOLER NO.: STORAGE LOCATION:

See Lab Work Order No. _____ for Other Contract Requirements

3 TOTAL NUMBER OF CONTAINERS

SAMPLE RECEIPT INFORMATION
CUSTODY SEALS: ☐YES ☐NO ☐N/A
GOOD CONDITION ☐YES ☐NO
TEMPERATURE _____
SHIPMENT METHOD: ☐HAND ☐COURIER ☐OVERNIGHT

TURNAROUND TIME:
☐ 24 HOURS ☐ 1 WEEK
☐48 HOURS ☒STANDARD
☐72 HOURS OTHER _____

White and Yellow Copies to Lab Pink to Project Manager Lab to Return White Copy to Hart Crowser Gold to Sample Custodian