HARBOR HISTORY MUSEUM

May 26, 2016

Mr. Panjini Balaraju
Toxics Cleanup Program
Southwest Regional Office
Department of Ecology

Dear Mr. Balaraju,

As you are aware, the Harbor History Museum have a desire to obtain a No Further Action (NFA) letter from the Department of Ecology in regards to the property located at 4121 Harborview Dr Gig Harbor, WA 98335. Our objective under the Voluntary Cleanup Program (VCP) is to obtain groundwater monitoring data for four consecutive quarters showing no detectable amounts of chemicals of concern. Listed below are the laboratory results from the latest sampling and analysis.

2016 QTR 2 Data analysis- sample

Two groundwater monitoring wells (MW-05 and MW-07) were sampled on 4/20/2016 using the proper low flow sampling techniques with the samples being sent to Spectra Laboratories in Tacoma Washington for Volatile Organic Analysis (VOA). The results from reported for these samples showed **non-detects for all chemicals of concern** from well MW7 and well MW5.

Included in this letter are:

- Copy of the raw laboratory data and associated QA/QC.
- The field data showing the typical field reporting results.
- Copy of the chain of custody.

Field Data

Well number	MW-5	MW-7
Date	4/10/16	4/10/16
Time	1100 hrs	1145 hrs
Depth to top of water	5'5"	6'5"
Depth to bottom of well	15'5"	15'4"
Water depth	10'0"	9'11"
Purge volume	5 gallons	5 gallons
Beginning Conductivity	140	310
Beginning pH	7.1	6.9
Ending Conductivity	140	310
Ending pH	7.1	6.9

Mirna Fritz
Harbor History Museum
Email: mirnaf@harborhistorymuseum.org

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May 24, 2016

Harbor History Museum
4121 Harborview Drive
Gig Harbor, WA 98335
Attn: Rick Fuller

Case Narrative
Client Project:
Spectra Project: 2016040510

Three water samples--two from monitoring wells and an accompanying trip blank-- were received at the laboratory on April 20, 2016 for Volatile Organic Compounds (VOC's) analysis by EPA method SW 846-8260. The sample assigned spectra lab #1 was identified on the chain of custody as "Trip Blank." Spectra lab #2 had a client ID of MW-5. Spectra sample #3 was identified by the client as MW-7.

With the exception of vinyl chloride, the VOC quantitation was performed using a traditional 5ml sparge. As site history indicates a potential presence of vinyl chloride, an additional analysis was performed specifically for vinyl chloride employing a 25ml sparge. The purge of a 25ml sample aliquot provides a quantitation limit of 0.2 ug/L, which is the published MTCA level for vinyl chloride in groundwater.

All three samples were found to be non-detect for all target compounds.

As a donation to the Harbor History Museum, Spectra Laboratories will continue to offer the future VOC testing of these quarterly samples at no charge.

Please feel free to call with any questions regarding these samples.

Sincerely

Steven G. Hibbs
Laboratory Manager

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05/24/2016

P.O.#: *

Harbor History Museum
4121 Harborview Dr.
Gig Harbor, WA 98332

Client ID: Trip Blank
Sample Matrix: Water
Date Sampled: 04/20/2016
Date Received: 04/20/2016
Spectra Project: 2016040510
Spectra Number: 1

Analyte	Result	Units	Method	Analyte	Result	Units	Method
1,1,1,2-Tetrachloroethane	<1.0	µg/L	SW846 8260C	2-Butanone (MEK)	<10	µg/L	SW846 8260C
1,1,1-Trichloroethane	<1.0	µg/L	SW846 8260C	2-Chloroethylvinyl Ether	<10	µg/L	SW846 8260C
1,1,2,2-Tetrachloroethane	<1.0	µg/L	SW846 8260C	2-Chlorotoluene	<1.0	µg/L	SW846 8260C
1,1,2-Trichloroethane	<1.0	µg/L	SW846 8260C	2-Hexanone (MBK)	<10	µg/L	SW846 8260C
1,1-Dichloroethane	<1.0	µg/L	SW846 8260C	4-Chlorotoluene	<1.0	µg/L	SW846 8260C
1,1-Dichloroethene	<1.0	µg/L	SW846 8260C	4-Isopropyltoluene	<1.0	µg/L	SW846 8260C
1,1-Dichloropropene	<1.0	µg/L	SW846 8260C	4-methyl-2-pentanone	<10	µg/L	SW846 8260C
1,2,3-Trichlorobenzene	<1.0	µg/L	SW846 8260C	Acetone	<10	µg/L	SW846 8260C
1,2,3-Trichloropropane	<1.0	µg/L	SW846 8260C	Acetonitrile	<10	µg/L	SW846 8260C
1,2,4-Trichlorobenzene	<1.0	µg/L	SW846 8260C	Acrolein	<10	µg/L	SW846 8260C
1,2,4-Trimethylbenzene	<1.0	µg/L	SW846 8260C	Acrylonitrile	<10	µg/L	SW846 8260C
1,2-Dibromo3Chloropropane	<10	µg/L	SW846 8260C	Benzene	<1.0	µg/L	SW846 8260C
1,2-Dibromoethane (EDB)	<1.0	µg/L	SW846 8260C	Bromobenzene	<1.0	µg/L	SW846 8260C
1,2-Dichlorobenzene	<1.0	µg/L	SW846 8260C	Bromochloromethane	<1.0	µg/L	SW846 8260C
1,2-Dichloroethane	<1.0	µg/L	SW846 8260C	Bromodichloromethane	<1.0	µg/L	SW846 8260C
1,2-Dichloropropane	<1.0	µg/L	SW846 8260C	Bromoform	<1.0	µg/L	SW846 8260C
1,3,5-Trimethylbenzene	<1.0	µg/L	SW846 8260C	Bromomethane	<1.0	µg/L	SW846 8260C
1,3-Dichlorobenzene	<1.0	µg/L	SW846 8260C	Carbon Disulfide	<10	µg/L	SW846 8260C
1,3-Dichloropropane	<1.0	µg/L	SW846 8260C	Carbon Tetrachloride	<1.0	µg/L	SW846 8260C
1,4-Dichlorobenzene	<1.0	µg/L	SW846 8260C	Chlorobenzene	<1.0	µg/L	SW846 8260C
2,2-Dichloropropane	<1.0	µg/L	SW846 8260C	Chlorodibromomethane	<1.0	µg/L	SW846 8260C

Vinyl Chloride analysis performed using a 25ml sparge for a reporting limit of 0.2 ug/L.

Surrogate	Recovery	Method
Dibromofluoromethane	112	SW846 8260C
1,2-Dichloroethane-d4	124	SW846 8260C
Toluene-d8	91	SW846 8260C
4-Bromofluorobenzene	123	SW846 8260C

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager
a14/sgh

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05/24/2016

P.O.#: *

Client ID: Trip Blank
Sample Matrix: Water
Date Sampled: 04/20/2016
Date Received: 04/20/2016
Spectra Project: 2016040510
Spectra Number: 1

Harbor History Museum
4121 Harborview Dr.
Gig Harbor, WA 98332

Analyte	Result	Units	Method	Analyte	Result	Units	Method
Chloroethane	<2.0	µg/L	SW846 8260C	cis-1,3-Dichloropropene	<1.0	µg/L	SW846 8260C
Chloroform	<1.0	µg/L	SW846 8260C	n-Butylbenzene	<1.0	µg/L	SW846 8260C
Chloromethane	<2.0	µg/L	SW846 8260C	n-Propylbenzene	<1.0	µg/L	SW846 8260C
Dibromomethane	<1.0	µg/L	SW846 8260C	sec-Butylbenzene	<1.0	µg/L	SW846 8260C
Dichlorodifluoromethane	<1.0	µg/L	SW846 8260C	tert-Butylbenzene	<1.0	µg/L	SW846 8260C
Ethylbenzene	<1.0	µg/L	SW846 8260C	trans-1,2-Dichloroethene	<1.0	µg/L	SW846 8260C
Hexachlorobutadiene	<1.0	µg/L	SW846 8260C	trans-1,3-Dichloropropene	<1.0	µg/L	SW846 8260C
Iodomethane	<10	µg/L	SW846 8260C				
Isopropylbenzene	<1.0	µg/L	SW846 8260C				
Methyl-tert-Butyl Ether	<1.0	µg/L	SW846 8260C				
Methylene chloride	<1.0	µg/L	SW846 8260C				
Naphthalene	<1.0	µg/L	SW846 8260C				
Styrene	<1.0	µg/L	SW846 8260C				
Tetrachloroethene	<1.0	µg/L	SW846 8260C				
Toluene	<1.0	µg/L	SW846 8260C				
Total Xylenes	<2.0	µg/L	SW846 8260C				
Trichloroethene	<1.0	µg/L	SW846 8260C				
Trichlorofluoromethane	<1.0	µg/L	SW846 8260C				
Vinyl Acetate	<10	µg/L	SW846 8260C				
Vinyl chloride	<0.2	µg/L	SW846 8260C				
cis-1,2-Dichloroethene	<1.0	µg/L	SW846 8260C				

Vinyl Chloride analysis performed using a 25ml sparge for a reporting limit of 0.2 ug/L.

Surrogate	Recovery	Method
Dibromofluoromethane	112	SW846 8260C
1,2-Dichloroethane-d4	124	SW846 8260C
Toluene-d8	91	SW846 8260C
4-Bromofluorobenzene	123	SW846 8260C

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Steve Hibbs, Laboratory Manager
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05/24/2016

P.O.#: *

Client ID: MW 5
Sample Matrix: Water
Date Sampled: 04/20/2016
Date Received: 04/20/2016
Spectra Project: 2016040510
Spectra Number:2

Harbor History Museum
4121 Harborview Dr.
Gig Harbor, WA 98332

Analyte	Result	Units	Method	Analyte	Result	Units	Method
1,1,1,2-Tetrachloroethane	<1.0	µg/L	SW846 8260C	2-Butanone (MEK)	<10	µg/L	SW846 8260C
1,1,1-Trichloroethane	<1.0	µg/L	SW846 8260C	2-Chloroethylvinyl Ether	<10	µg/L	SW846 8260C
1,1,2,2-Tetrachloroethane	<1.0	µg/L	SW846 8260C	2-Chlorotoluene	<1.0	µg/L	SW846 8260C
1,1,2-Trichloroethane	<1.0	µg/L	SW846 8260C	2-Hexanone (MBK)	<10	µg/L	SW846 8260C
1,1-Dichloroethane	<1.0	µg/L	SW846 8260C	4-Chlorotoluene	<1.0	µg/L	SW846 8260C
1,1-Dichloroethene	<1.0	µg/L	SW846 8260C	4-Isopropyltoluene	<1.0	µg/L	SW846 8260C
1,1-Dichloropropene	<1.0	µg/L	SW846 8260C	4-methyl-2-pentanone	<10	µg/L	SW846 8260C
1,2,3-Trichlorobenzene	<1.0	µg/L	SW846 8260C	Acetone	<10	µg/L	SW846 8260C
1,2,3-Trichloropropane	<1.0	µg/L	SW846 8260C	Acetonitrile	<10	µg/L	SW846 8260C
1,2,4-Trichlorobenzene	<1.0	µg/L	SW846 8260C	Acrolein	<10	µg/L	SW846 8260C
1,2,4-Trimethylbenzene	<1.0	µg/L	SW846 8260C	Acrylonitrile	<10	µg/L	SW846 8260C
1,2-Dibromo3Chloropropane	<10	µg/L	SW846 8260C	Benzene	<1.0	µg/L	SW846 8260C
1,2-Dibromoethane (EDB)	<1.0	µg/L	SW846 8260C	Bromobenzene	<1.0	µg/L	SW846 8260C
1,2-Dichlorobenzene	<1.0	µg/L	SW846 8260C	Bromochloromethane	<1.0	µg/L	SW846 8260C
1,2-Dichloroethane	<1.0	µg/L	SW846 8260C	Bromodichloromethane	<1.0	µg/L	SW846 8260C
1,2-Dichloropropane	<1.0	µg/L	SW846 8260C	Bromoform	<1.0	µg/L	SW846 8260C
1,3,5-Trimethylbenzene	<1.0	µg/L	SW846 8260C	Bromomethane	<1.0	µg/L	SW846 8260C
1,3-Dichlorobenzene	<1.0	µg/L	SW846 8260C	Carbon Disulfide	<10	µg/L	SW846 8260C
1,3-Dichloropropane	<1.0	µg/L	SW846 8260C	Carbon Tetrachloride	<1.0	µg/L	SW846 8260C
1,4-Dichlorobenzene	<1.0	µg/L	SW846 8260C	Chlorobenzene	<1.0	µg/L	SW846 8260C
2,2-Dichloropropane	<1.0	µg/L	SW846 8260C	Chlorodibromomethane	<1.0	µg/L	SW846 8260C

Vinyl Chloride analysis performed using a 25ml sparge for a reporting limit of 0.2 ug/L.

Surrogate	Recovery	Method
Dibromofluoromethane	116	SW846 8260C
1,2-Dichloroethane-d4	124	SW846 8260C
Toluene-d8	89	SW846 8260C
4-Bromofluorobenzene	122	SW846 8260C

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Steve Hibbs, Laboratory Manager
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05/24/2016

P.O.#: *

Client ID: MW 5
Sample Matrix: Water
Date Sampled: 04/20/2016
Date Received: 04/20/2016
Spectra Project: 2016040510
Spectra Number:2

Harbor History Museum
4121 Harborview Dr.
Gig Harbor, WA 98332

Analyte	Result	Units	Method	Analyte	Result	Units	Method
Chloroethane	<2.0	µg/L	SW846 8260C	cis-1,3-Dichloropropene	<1.0	µg/L	SW846 8260C
Chloroform	<1.0	µg/L	SW846 8260C	n-Butylbenzene	<1.0	µg/L	SW846 8260C
Chloromethane	<2.0	µg/L	SW846 8260C	n-Propylbenzene	<1.0	µg/L	SW846 8260C
Dibromomethane	<1.0	µg/L	SW846 8260C	sec-Butylbenzene	<1.0	µg/L	SW846 8260C
Dichlorodifluoromethane	<1.0	µg/L	SW846 8260C	tert-Butylbenzene	<1.0	µg/L	SW846 8260C
Ethylbenzene	<1.0	µg/L	SW846 8260C	trans-1,2-Dichloroethene	<1.0	µg/L	SW846 8260C
Hexachlorobutadiene	<1.0	µg/L	SW846 8260C	trans-1,3-Dichloropropene	<1.0	µg/L	SW846 8260C
Iodomethane	<10	µg/L	SW846 8260C				
Isopropylbenzene	<1.0	µg/L	SW846 8260C				
Methyl-tert-Butyl Ether	<1.0	µg/L	SW846 8260C				
Methylene chloride	<1.0	µg/L	SW846 8260C				
Naphthalene	<1.0	µg/L	SW846 8260C				
Styrene	<1.0	µg/L	SW846 8260C				
Tetrachloroethene	<1.0	µg/L	SW846 8260C				
Toluene	<1.0	µg/L	SW846 8260C				
Total Xylenes	<2.0	µg/L	SW846 8260C				
Trichloroethene	<1.0	µg/L	SW846 8260C				
Trichlorofluoromethane	<1.0	µg/L	SW846 8260C				
Vinyl Acetate	<10	µg/L	SW846 8260C				
Vinyl chloride	<0.2	µg/L	SW846 8260C				
cis-1,2-Dichloroethene	<1.0	µg/L	SW846 8260C				

Vinyl Chloride analysis performed using a 25ml sparge for a reporting limit of 0.2 ug/L.

Surrogate	Recovery	Method
Dibromofluoromethane	116	SW846 8260C
1,2-Dichloroethane-d4	124	SW846 8260C
Toluene-d8	89	SW846 8260C
4-Bromofluorobenzene	122	SW846 8260C

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Steve Hibbs, Laboratory Manager
a14/sgh

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05/24/2016

P.O.#: *

Client ID: MW 7
Sample Matrix: Water
Date Sampled: 04/20/2016
Date Received: 04/20/2016
Spectra Project: 2016040510
Spectra Number:3

Harbor History Museum
4121 Harborview Dr.
Gig Harbor, WA 98332

Analyte	Result	Units	Method	Analyte	Result	Units	Method
1,1,1,2-Tetrachloroethane	<1.0	µg/L	SW846 8260C	2-Butanone (MEK)	<10	µg/L	SW846 8260C
1,1,1-Trichloroethane	<1.0	µg/L	SW846 8260C	2-Chloroethylvinyl Ether	<10	µg/L	SW846 8260C
1,1,2,2-Tetrachloroethane	<1.0	µg/L	SW846 8260C	2-Chlorotoluene	<1.0	µg/L	SW846 8260C
1,1,2-Trichloroethane	<1.0	µg/L	SW846 8260C	2-Hexanone (MBK)	<10	µg/L	SW846 8260C
1,1-Dichloroethane	<1.0	µg/L	SW846 8260C	4-Chlorotoluene	<1.0	µg/L	SW846 8260C
1,1-Dichloroethene	<1.0	µg/L	SW846 8260C	4-Isopropyltoluene	<1.0	µg/L	SW846 8260C
1,1-Dichloropropene	<1.0	µg/L	SW846 8260C	4-methyl-2-pentanone	<10	µg/L	SW846 8260C
1,2,3-Trichlorobenzene	<1.0	µg/L	SW846 8260C	Acetone	<10	µg/L	SW846 8260C
1,2,3-Trichloropropane	<1.0	µg/L	SW846 8260C	Acetonitrile	<10	µg/L	SW846 8260C
1,2,4-Trichlorobenzene	<1.0	µg/L	SW846 8260C	Acrolein	<10	µg/L	SW846 8260C
1,2,4-Trimethylbenzene	<1.0	µg/L	SW846 8260C	Acrylonitrile	<10	µg/L	SW846 8260C
1,2-Dibromo3Chloropropane	<10	µg/L	SW846 8260C	Benzene	<1.0	µg/L	SW846 8260C
1,2-Dibromoethane (EDB)	<1.0	µg/L	SW846 8260C	Bromobenzene	<1.0	µg/L	SW846 8260C
1,2-Dichlorobenzene	<1.0	µg/L	SW846 8260C	Bromochloromethane	<1.0	µg/L	SW846 8260C
1,2-Dichloroethane	<1.0	µg/L	SW846 8260C	Bromodichloromethane	<1.0	µg/L	SW846 8260C
1,2-Dichloropropane	<1.0	µg/L	SW846 8260C	Bromoform	<1.0	µg/L	SW846 8260C
1,3,5-Trimethylbenzene	<1.0	µg/L	SW846 8260C	Bromomethane	<1.0	µg/L	SW846 8260C
1,3-Dichlorobenzene	<1.0	µg/L	SW846 8260C	Carbon Disulfide	<10	µg/L	SW846 8260C
1,3-Dichloropropane	<1.0	µg/L	SW846 8260C	Carbon Tetrachloride	<1.0	µg/L	SW846 8260C
1,4-Dichlorobenzene	<1.0	µg/L	SW846 8260C	Chlorobenzene	<1.0	µg/L	SW846 8260C
2,2-Dichloropropane	<1.0	µg/L	SW846 8260C	Chlorodibromomethane	<1.0	µg/L	SW846 8260C

Vinyl Chloride analysis performed using a 25ml sparge for a reporting limit of 0.2 ug/L.

Surrogate	Recovery	Method
Dibromofluoromethane	116	SW846 8260C
1,2-Dichloroethane-d4	130	SW846 8260C
Toluene-d8	85	SW846 8260C
4-Bromofluorobenzene	119	SW846 8260C

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Steve Hibbs, Laboratory Manager
a14/sgh

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05/24/2016

P.O.#: *

Client ID: MW 7
Sample Matrix: Water
Date Sampled: 04/20/2016
Date Received: 04/20/2016
Spectra Project: 2016040510
Spectra Number:3

Harbor History Museum
4121 Harborview Dr.
Gig Harbor, WA 98332

Analyte	Result	Units	Method	Analyte	Result	Units	Method
Chloroethane	<2.0	µg/L	SW846 8260C	cis-1,3-Dichloropropene	<1.0	µg/L	SW846 8260C
Chloroform	<1.0	µg/L	SW846 8260C	n-Butylbenzene	<1.0	µg/L	SW846 8260C
Chloromethane	<2.0	µg/L	SW846 8260C	n-Propylbenzene	<1.0	µg/L	SW846 8260C
Dibromomethane	<1.0	µg/L	SW846 8260C	sec-Butylbenzene	<1.0	µg/L	SW846 8260C
Dichlorodifluoromethane	<1.0	µg/L	SW846 8260C	tert-Butylbenzene	<1.0	µg/L	SW846 8260C
Ethylbenzene	<1.0	µg/L	SW846 8260C	trans-1,2-Dichloroethene	<1.0	µg/L	SW846 8260C
Hexachlorobutadiene	<1.0	µg/L	SW846 8260C	trans-1,3-Dichloropropene	<1.0	µg/L	SW846 8260C
Iodomethane	<10	µg/L	SW846 8260C				
Isopropylbenzene	<1.0	µg/L	SW846 8260C				
Methyl-tert-Butyl Ether	<1.0	µg/L	SW846 8260C				
Methylene chloride	<1.0	µg/L	SW846 8260C				
Naphthalene	<1.0	µg/L	SW846 8260C				
Styrene	<1.0	µg/L	SW846 8260C				
Tetrachloroethene	<1.0	µg/L	SW846 8260C				
Toluene	<1.0	µg/L	SW846 8260C				
Total Xylenes	<2.0	µg/L	SW846 8260C				
Trichloroethene	<1.0	µg/L	SW846 8260C				
Trichlorofluoromethane	<1.0	µg/L	SW846 8260C				
Vinyl Acetate	<10	µg/L	SW846 8260C				
Vinyl chloride	<0.2	µg/L	SW846 8260C				
cis-1,2-Dichloroethene	<1.0	µg/L	SW846 8260C				

Vinyl Chloride analysis performed using a 25ml sparge for a reporting limit of 0.2 ug/L.

Surrogate	Recovery	Method
Dibromofluoromethane	116	SW846 8260C
1,2-Dichloroethane-d4	130	SW846 8260C
Toluene-d8	85	SW846 8260C
4-Bromofluorobenzene	119	SW846 8260C

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Steve Hibbs, Laboratory Manager
a14/sgh

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May 24, 2016

Harbor History Museum
4121 Harborview Dr.
Gig Harbor, WA 98332

Sample Matrix: Water
EPA Method: 624/8260C
Spectra Project: 2016040510
Date Analyzed: 4/22/2016
Units: ug/L
Applies to Spectra #'s: 1-3
Spiked Sample 2016040519-1

GCMS VOLATILE ORGANIC ANALYSIS
Matrix Spike/ Matrix Spike Duplicate Results

COMPOUND	SAMPLE RESULT	SPIKE AMOUNT	MS RESULT	MS %REC	MSD RESULT	MSD %REC	RPD
1,1-Dichloroethene	<1	10.0	8.43	84	8.50	85	0.8
Benzene	2.07	10.0	11.57	95	12.20	101	6.4
Trichloroethene	<1	10.0	10.12	101	10.62	106	4.8
Toluene	5.32	10.0	13.16	78	14.00	87	10.2
Chlorobenzene	<1	10.0	8.00	80	8.26	83	3.2
(Results after dilution)							

Surrogates	MS	MSD
Dibromofluoromethane	118	114
1,2-Dichloroethane-d4	125	125
Toluene-d8	89	89
4-Bromofluorobenzene	132	123

Steven G. Hibbs
Laboratory Manager

SPECTRA Laboratories

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May 24, 2016

Harbor History Museum
4121 Harborview Dr.
Gig Harbor, WA 98332

Sample matrix: Water

Spectra Project: 2016040510
Spectra # Method Blank
Applies to Sample #1-3

Date Received: 4/20/2016
Date Analyzed: 4/22/2016
Dilution: 1
< = less than

VOLATILE ORGANIC ANALYSIS — METHOD 624/8260

Compound	ug/L	Compound	ug/L
Acetone	< 10.00	1,2-Dichloropropane	< 1.00
Acrolein	< 10.00	1,3-Dichloropropane	< 1.00
Acrylonitrile	< 10.00	cis-1,3-Dichloropropene	< 1.00
Benzene	< 1.00	trans-1,3-Dichloropropene	< 1.00
Bromobenzene	< 1.00	2,2-Dichloropropane	< 1.00
Bromochloromethane	< 1.00	1,1-Dichloropropene	< 1.00
Bromodichloromethane	< 1.00	Ethylbenzene	< 1.00
Bromoform	< 1.00	2-Hexanone (MBK)	< 10.00
Bromomethane	< 1.00	Hexachlorobutadiene	< 1.00
2-Butanone (MEK)	< 10.00	Iodomethane	< 10.00
n-Butylbenzene	< 1.00	Isopropylbenzene	< 1.00
sec-Butylbenzene	< 1.00	p-Isopropyltoluene	< 1.00
tert-Butylbenzene	< 1.00	Methylene chloride	< 1.00
Carbon Disulfide	< 10.00	4-Methyl-2-pentanone (MIBK)	< 10.00
Carbon tetrachloride	< 1.00	MTBE	< 1.00
Chlorobenzene	< 1.00	Naphthalene	< 1.00
Chlorodibromomethane	< 1.00	n-Propylbenzene	< 1.00
Chloroethane	< 2.00	Styrene	< 1.00
2-Chloroethyl Vinyl ether	< 10.00	1,1,1,2-Tetrachloroethane	< 1.00
Chloroform	< 1.00	1,1,2,2-Tetrachloroethane	< 1.00
Chloromethane	< 2.00	Tetrachloroethene	< 1.00
2-Chlorotoluene	< 1.00	Toluene	< 1.00
4-Chlorotoluene	< 1.00	Total Xylenes	< 2.00
1,2-Dibromo-3-Chloropropane (DBCP)	< 10.00	1,2,3-Trichlorobenzene	< 1.00
1,2-Dibromoethane (EDB)	< 1.00	1,2,4-Trichlorobenzene	< 1.00
Dibromomethane	< 1.00	1,1,1-Trichloroethane	< 1.00
1,2-Dichlorobenzene	< 1.00	1,1,2-Trichloroethane	< 1.00
1,3-Dichlorobenzene	< 1.00	Trichloroethene	< 1.00
1,4-Dichlorobenzene	< 1.00	Trichlorofluoromethane	< 1.00
Dichlorodifluoromethane	< 1.00	1,2,3-Trichloropropane	< 1.00
1,1-Dichloroethane	< 1.00	1,2,4-Trimethylbenzene	< 1.00
1,2-Dichloroethane	< 1.00	1,3,5-Trimethylbenzene	< 1.00
1,1-Dichloroethene	< 1.00	Vinyl Acetate	< 10.00
cis-1,2-Dichloroethene	< 1.00	Vinyl chloride	< 0.20
trans-1,2,-Dichloroethene	< 1.00	(Vinyl Chloride result from 25ml sparge for 0.2ug/L RL, performed on 04/28/16)	

SURROGATE RECOVERIES

Dibromofluoromethane	116	%
1,2-Dichloroethane-d4	122	%
Toluene-d8	91	%
4-Bromofluorobenzene	128	%

Steven G. Hibbs
Laboratory Manager

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SPECIAL INSTRUCTIONS/COMMENTS:

CHAIN OF CUSTODY

SPECTRA PROJECT # 2016040610

Return Samples: Y (N) Page 1 of 1 STANDARD [X] RUSH [ ]

CLIENT: Harbor History Museum ADDRESS: ADDRESS CHANGE [ ]

PROJECT:

CONTACT:

SAMPLED BY: Rick Fuller

PHONE: 253-255-7188 FAX:

e-MAIL: Prefer FAX [ ] or e-MAIL [ ]

PURCHASE ORDER #

	SAMPLE ID	DATE SAMPLED	TIME SAMPLED	MATRIX	NUMBER OF CONTAINERS	HYDROCARBONS: NWTPH-HCID	BTEX	BTEX/NWTPH-G	NWTPH-G	NWTPH-Dx	1664 SGT-HEM (TPH)	1664 HEM (FOG)	ORGANICS: 8260/624 VOA	8260 CHLOR SOLVENTS	8270-625 SEMI VOA	8270 PAH/PNA	8082/608 PCB	METALS: TOTAL METALS RCRA 8	TOTAL METALS (SPECIFY)	TCLP METALS RCRA 8	TCLP METALS (SPECIFY)	OTHER: PH 9040/9045	TX/TOX/EOX	TURBIDITY	FLASH POINT	BOD	SOLIDS (SPECIFY)
1	Trip Blank			water	1								X														
2	MW5	4-20	1100	↓	2								X														
3	MW7	4-20	1145	↓	2								X														
4																											
5																											
6																											
7																											
8																											
9																											
10																											

NOTE - 25ml volume needed to obtain detection limit.

LAB USE ONLY		SIGNATURE	PRINTED NAME	COMPANY	DATE	TIME
Shipped Via: US Mail UPS Fed Ex Courier (Client)	RELINQUISHED BY	Rick Fuller	Rick Fuller		4-20-16	1335
(Cooler) Shipping Container: Box Envelope None	RECEIVED BY	Lori Hamilton	Lori Hamilton	Spectra	4-20-16	1:35
Tracking #	RELINQUISHED BY					
Custody Seals: Y (N) Intact: Y N	RECEIVED BY					
Cooler Temp 6.8 Sample Temp 11.7						

Payment Terms: Net 30 days. Past due accounts subject to 1 1/2% per month interest. Customer agrees to pay all costs of collection including reasonable attorney's fees and all other costs of collection regardless of whether suit is filed in Pierce Co., WA venue. *Spectra Laboratories, LLC*