Freedom_0001917_0001

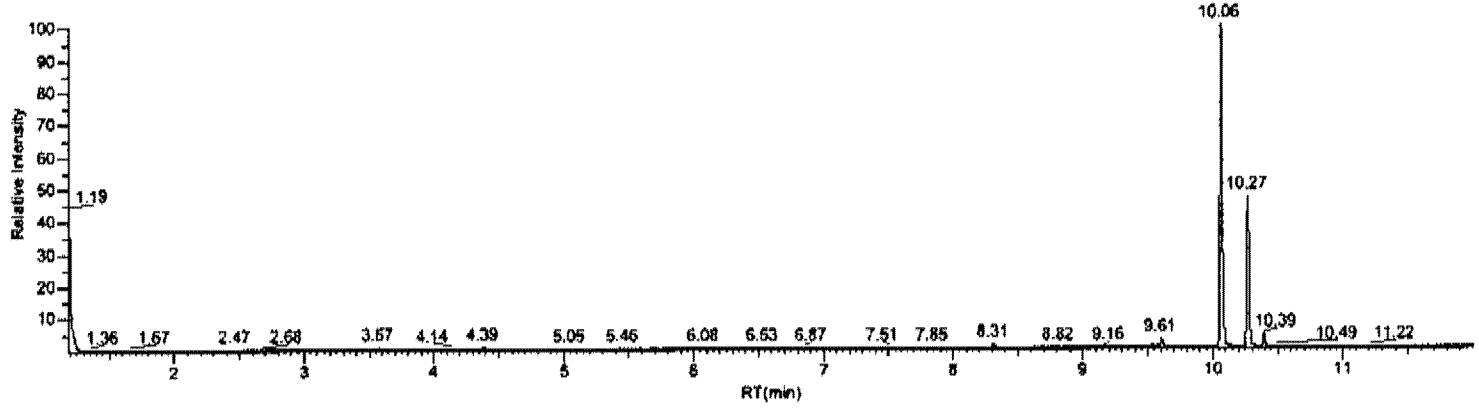
Quantitation Report

Lab Name: Huntington Water
Instrument: Thermo Scientific Instrument
User:
Batch: EPAMethod524_List_1102014_k

Method: EPAMethod524_List_1102014_k_EPAMethod524_List
EPAMethod524_List
Cali File: EPAMethod524_List_1102014_gcalibration_EPAMethod524_List_1102014_k.calx

Vial Pos	Sample ID	File Name	Level	Sample Name	File Date	Comment
22	Plant Eff Charleston	192014_a022	N/A		1/9/2014 9:36:29 PM	

C:\Thermo\TraceFinder\3.0\EFS\Projects\2014\Jan\EPAMethod524_List_1102014_k\Data\192014_a022.raw



Internal Standards	RT	Quan Peak	Response			Injected Conc	Units	Calculated Conc	Units
fluorobenzene(ISTD)	4.39	96.00 mz	297845			5.000	ug/L	5.000	ug/L
Surrogates	**RT**	**Quan Peak**	**Response**	**Curve Type**	**Average RF/ Response Ratio**	**Injected Conc**	**Units**	**Calculated Conc**	**Units**
4-bromofluorobenzene(surr)	8.31	95.00 mz	145628	Average RF	0.489	4.662	ug/L	4.662	ug/L
1,2-dichlorobenzene_d4(surr)	9.61	152.00 mz	203405	Average RF	0.683	6.652	ug/L	6.652	ug/L
Target Compounds	**RT**	**Quan Peak**	**Response**	**Curve Type**	**Average RF/ Response Ratio**	**Injected Conc**	**Units**	**Calculated Conc**	**Units**
dichlorodifluoromethane	1.21	85.00 mz	297	Average RF	0.001	0.014	ug/L	0.014	ug/L
chloromethane	1.30	50.00 mz	449	Average RF	0.002	0.011	ug/L	0.011	ug/L
vinylchloride	N/F	62.00 mz	N/F	N/F	N/F	N/F	ug/L	N/F	ug/L
bromomethane	1.53	94.00 mz	2948	Average RF	0.010	0.166	ug/L	0.166	ug/L
chloroethane	1.60	64.00 mz	703	Average RF	0.002	0.033	ug/L	0.033	ug/L
trichlorofluoromethane	1.69	101.00 mz	87	Average RF	0.000	0.003	ug/L	0.003	ug/L

Manually integrated

Freedom_0001917_0002

Quantitation Report

Lab Name: Huntington Water
Instrument: Thermo Scientific Instrument
User:
Batch: EPAMethod524_List_1102014_k

Method: EPAMethod524_List_1102014_k_EPAMethod524_List
EPAMethod524_List
Cali File: EPAMethod524_List_1102014_gcalibration_EPAMethod524_List_1102014_k.calx

Target Compounds	RT	Quan Peak	Response	Curve Type	Average RF/ Response Ratio	Injected Conc	Units	Calculated Conc	Units
1,1-dichloroethene	2.00	61.00 mz	216	Average RF	0.001	0.004	ug/L	0.004	ug/L
methylene_chloride	N/F	84.00 mz	N/F	N/F	N/F	N/F	ug/L	N/F	ug/L
trans-1,2-dichloroethene	N/F	96.00 mz	N/F	N/F	N/F	N/F	ug/L	N/F	ug/L
1,1-dichloroethane	2.82	63.00 mz	965	Average RF	0.003	0.015	ug/L	0.015	ug/L
cis-1,2-dichloroethene	N/F	96.00 mz	N/F	N/F	N/F	N/F	ug/L	N/F	ug/L
2,2-dichloropropane	N/F	77.00 mz	N/F	N/F	N/F	N/F	ug/L	N/F	ug/L
bromochloromethane	3.43	128.00 mz	36	Average RF	0.000	0.004	ug/L	0.004	ug/L
chloroform	N/F	83.00 mz	N/F	N/F	N/F	N/F	ug/L	N/F	ug/L
carbon_tetrachloride	3.57	117.00 mz	913	Average RF	0.003	0.039	ug/L	0.039	ug/L
1,1,1-trichloroethane	3.66	97.00 mz	180	Average RF	0.001	0.005	ug/L	0.005	ug/L
1,1-dichloropropene	3.76	75.00 mz	120	Average RF	0.000	0.002	ug/L	0.002	ug/L
benzene	N/F	78.00 mz	N/F	N/F	N/F	N/F	ug/L	N/F	ug/L
1,2-dichloroethane	4.39	62.00 mz	10018	Average RF	0.034	0.174	ug/L	0.174	ug/L
trichloroethene	4.39	95.00 mz	26551	Average RF	0.089	0.962	ug/L	0.962	ug/L
dibromomethane	4.81	93.00 mz	159	Average RF	0.001	0.009	ug/L	0.009	ug/L
1,2-dichloropropane	N/F	63.00 mz	N/F	N/F	N/F	N/F	ug/L	N/F	ug/L
bromodichloromethane	4.98	83.00 mz	143	Average RF	0.000	0.003	ug/L	0.003	ug/L
cis-1,3-dichloropropene	5.56	75.00 mz	145	Average RF	0.000	0.002	ug/L	0.002	ug/L
toluene	5.80	92.00 mz	65	Average RF	0.000	0.001	ug/L	0.001	ug/L
tetrachloroethene	6.07	166.00 mz	86	Average RF	0.000	0.003	ug/L	0.003	ug/L
trans-1,3-dichloropropene	N/F	75.00 mz	N/F	N/F	N/F	N/F	ug/L	N/F	ug/L
1,1,2-trichloroethane	6.37	83.00 mz	92	Average RF	0.000	0.004	ug/L	0.004	ug/L

Manually integrated

Freedom_0001917_0003

Quantitation Report

Lab Name: Huntington Water
Instrument: Thermo Scientific Instrument
User:
Batch: EPAMethod524_List_1102014_k

Method: EPAMethod524_List_1102014_k_EPAMethod524_List
EPAMethod524_List
Cali File: EPAMethod524_List_1102014_gcalibration_EPAMethod524_List_1102014_k.calx

Target Compounds	RT	Quan Peak	Response	Curve Type	Average RF/ Response Ratio	Injected Conc	Units	Calculated Conc	Units
dibromochloromethane	6.48	129.00 mz	122	Average RF	0.000	0.005	ug/L	0.005	ug/L
1,3-dichloropropane	6.54	76.00 mz	4557	Average RF	0.015	0.059	ug/L	0.059	ug/L
1,2-dibromoethane	6.68	107.00 mz	194	Average RF	0.001	0.007	ug/L	0.007	ug/L
chlorobenzene	7.24	112.00 mz	74	Average RF	0.000	0.001	ug/L	0.001	ug/L
ethylbenzene	N/F	91.00 mz	N/F	N/F	N/F	N/F	ug/L	N/F	ug/L
1,1,1,2-tetrachloroethane	7.25	131.00 mz	248	Average RF	0.001	0.015	ug/L	0.015	ug/L
m&p-xylene	7.41	106.00 mz	847	Average RF	0.003	0.018	ug/L	0.018	ug/L
o-xylene	7.79	106.00 mz	188	Average RF	0.001	0.004	ug/L	0.004	ug/L
bromoform	7.80	173.00 mz	24	Average RF	0.000	0.001	ug/L	0.001	ug/L
styrene	7.85	104.00 mz	7938	Average RF	0.027	0.107	ug/L	0.107	ug/L
Isopropylbenzene	N/F	105.00 mz	N/F	N/F	N/F	N/F	ug/L	N/F	ug/L
bromobenzene	8.37	156.00 mz	134	Average RF	0.000	0.003	ug/L	0.003	ug/L
n-propylbenzene	8.42	91.00 mz	322	Average RF	0.001	0.002	ug/L	0.002	ug/L
1,1,2,2-tetrachloroethane	8.50	83.00 mz	298	Average RF	0.001	0.006	ug/L	0.006	ug/L
2-chlorotoluene	N/F	91.00 mz	N/F	N/F	N/F	N/F	ug/L	N/F	ug/L
1,2,3-trichloropropane	8.60	75.00 mz	72	Average RF	0.000	0.001	ug/L	0.001	ug/L
1,3,5-trimethylbenzene	8.64	105.00 mz	72	Average RF	0.000	0.001	ug/L	0.001	ug/L
4-chlorotoluene	N/F	91.00 mz	N/F	N/F	N/F	N/F	ug/L	N/F	ug/L
tert-butylbenzene	N/F	119.00 mz	N/F	N/F	N/F	N/F	ug/L	N/F	ug/L
1,2,4-trimethylbenzene	N/F	105.00 mz	N/F	N/F	N/F	N/F	ug/L	N/F	ug/L
sec-butylbenzene	N/F	105.00 mz	N/F	N/F	N/F	N/F	ug/L	N/F	ug/L
p-isopropyltoluene	N/F	119.00 mz	N/F	N/F	N/F	N/F	ug/L	N/F	ug/L

Manually integrated

Freedom_0001917_0004

Quantitation Report

Lab Name: Huntington Water
Instrument: Thermo Scientific Instrument
User:
Batch: EPAMethod524_List_1102014_k

Method: EPAMethod524_List_1102014_k_EPAMethod524_List
EPAMethod524_List
Cali File: EPAMethod524_List_1102014_gcalibration_EPAMethod524_List_1102014_k.calx

Target Compounds	RT	Quan Peak	Response	Curve Type	Average RF/ Response Ratio	Injected Conc	Units	Calculated Conc	Units
1,3-dichlorobenzene	9.15	146.00 mz	38	Average RF	0.000	0.000	ug/L	0.000	ug/L
1,4-dichlorobenzene	9.25	146.00 mz	91	Average RF	0.000	0.001	ug/L	0.001	ug/L
n-butylbenzene	9.57	91.00 mz	23440	Average RF	0.079	0.192	ug/L	0.192	ug/L
1,2-dichlorobenzene	9.56	146.00 mz	204	Average RF	0.001	0.003	ug/L	0.003	ug/L
4-methylcyclohexanemethanol	10.06	55.11 mz	24887529	Ext Curve	83.559	4616.068	ug/L	4616.068	ug/L
check later	10.27	75.00 mz	58671	Average RF	0.197	2.538	ug/L	2.538	ug/L
4-(methoxymethyl)cyclohexanemethanol	10.27	55.11 mz	11871672	Ext Curve	39.859	2201.924	ug/L	2201.924	ug/L
hexachlorobutadiene	10.80	225.00 mz	11	Average RF	0.000	0.002	ug/L	0.002	ug/L
1,2,4-trichlorobenzene	10.78	180.00 mz	198	Average RF	0.001	0.004	ug/L	0.004	ug/L
naphthalene	11.08	128.00 mz	38	Average RF	0.000	0.000	ug/L	0.000	ug/L
1,2,3-trichlorobenzene	11.23	180.00 mz	43	Average RF	0.000	0.001	ug/L	0.001	ug/L

Manually Integrated

TIC Summary Report

Lab Name: Huntington Water
Instrument: Thermo Scientific Instrument
User:
Batch: EPAMethod524_List_1102014_k

Method: EPAMethod524_List_1102014_k_EPAMethod524_List
EPAMethod524_List
Cali File: EPAMethod524_List_1102014_gcalibration_EPAMethod524_List_1

Vial Pos	Sample ID	File Name	Level	Sample Name	File Date	Comment
22	Plant Eff Charleston	192014_a022	N/A		1/9/2014 9:36:29 PM	

Internal Standards

Internal Standard	ISTD#	RT	Response	Injected Conc	Injected Units	Sample Conc	Sample Units
fluorobenzene(ISTD)	1	4.39	977091	5.000	ug/L	5.000	ug/L

Qualitatively-identified Compounds

Compound	Uses ISTD#	RT	Response	Injected Conc	Injected Units	Sample Conc	Sample Units	Flag
Carbon dioxide	1	1.25	341261	1.746	ug/L	1.746	ug/L	
Methane, bromodichloro-	1	5.05	264230	1.352	ug/L	1.352	ug/L	
Octodrine	1	9.84	139524	0.714	ug/L	0.714	ug/L	

Manually integrated [ ] Flag legend: P = Library entry selected manually

Freedom_0001917_0005