

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
 Data File : VX006510.D
 Acq On : 14 Dec 2018 11:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/17/2018 12:12:09 PM

Quant Time: Dec 15 04:44:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	649735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	988366	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	899635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	494672	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	328844	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	5.50	113	314041	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	8.71	98	1119292	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
62) 4-Bromofluorobenzene	11.13	95	444650	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	309513	48.652	ug/l	98
3) Chloromethane	1.33	50	317196	48.519	ug/l	97
4) Vinyl Chloride	1.41	62	349539	49.678	ug/l	98
5) Bromomethane	1.64	94	322010	66.036	ug/l	98
6) Chloroethane	1.72	64	209247	48.503	ug/l	99
7) Trichlorofluoromethane	1.93	101	554517	51.341	ug/l	99
8) Diethyl Ether	2.19	74	208585	51.028	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	333932	54.373	ug/l	99
10) Methyl Iodide	2.51	142	509325	55.030	ug/l	98
11) Tert butyl alcohol	3.07	59	396977	218.852	ug/l	100
12) 1,1-Dichloroethene	2.37	96	298632	50.795	ug/l	95
13) Acrolein	2.29	56	225976	227.933	ug/l	98
14) Allyl chloride	2.73	41	513767	44.238	ug/l	97
15) Acrylonitrile	3.15	53	873522	230.774	ug/l	100
16) Acetone	2.45	43	765686	245.987	ug/l	95
17) Carbon Disulfide	2.57	76	808450	44.625	ug/l	100
18) Methyl Acetate	2.78	43	483279	46.427	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	1021493	48.704	ug/l	99
20) Methylene Chloride	2.85	84	331577	50.052	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	323036	51.560	ug/l	91
22) Diisopropyl ether	3.87	45	926612	51.081	ug/l	96
23) Vinyl Acetate	3.82	43	3839154	248.134	ug/l	99
24) 1,1-Dichloroethane	3.70	63	532194	51.328	ug/l	99
25) 2-Butanone	4.70	43	1082836	243.806	ug/l	98
26) 2,2-Dichloropropane	4.58	77	483726	50.552	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	372789	53.343	ug/l	98
28) Bromochloromethane	5.02	49	224156	49.495	ug/l	100
29) Tetrahydrofuran	5.15	42	727790	235.778	ug/l	97
30) Chloroform	5.21	83	577285	52.981	ug/l	99
31) Cyclohexane	5.57	56	503800	52.577	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	523432	50.489	ug/l	100
36) 1,1-Dichloropropene	5.80	75	436623	52.460	ug/l	100
37) Ethyl Acetate	4.85	43	425167	45.615	ug/l	98
38) Carbon Tetrachloride	5.78	117	472500	48.257	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	591955	54.792	ug/l	97
40) Benzene	6.14	78	1300204	52.158	ug/l	100
41) Methacrylonitrile	5.06	41	235013	45.823	ug/l	98
42) 1,2-Dichloroethane	6.20	62	429598	52.656	ug/l	100
43) Isopropyl Acetate	6.46	43	707365	45.518	ug/l	99
44) Trichloroethene	7.21	130	397799	52.676	ug/l	95
45) 1,2-Dichloropropane	7.51	63	321061	50.676	ug/l	100
46) Dibromomethane	7.66	93	232896	50.899	ug/l	96
47) Bromodichloromethane	7.90	83	427406	48.235	ug/l	99
48) Methyl methacrylate	7.77	41	356914	47.210	ug/l	98
49) 1,4-Dioxane	7.75	88	181361	973.320	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2193033	242.412	ug/l	98
52) Toluene	8.79	92	858777	52.364	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	487305	47.024	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	524179	48.712	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	352335	52.882	ug/l	98
56) Ethyl methacrylate	9.18	69	519660	49.891	ug/l	97
57) 1,3-Dichloropropane	9.37	76	554002	52.583	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1221905	231.177	ug/l	100
59) 2-Hexanone	9.49	43	1673826	242.172	ug/l	99
60) Dibromochloromethane	9.59	129	384344	46.781	ug/l	99
61) 1,2-Dibromoethane	9.67	107	388200	52.108	ug/l	99
64) Tetrachloroethene	9.34	164	365942	54.013	ug/l	99
65) Chlorobenzene	10.14	112	1017718	53.291	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	365555	49.266	ug/l	99
67) Ethyl Benzene	10.25	91	1668402	52.527	ug/l	100
68) m/p-Xylenes	10.36	106	1360317	106.917	ug/l	99
69) o-Xylene	10.70	106	661876	52.666	ug/l	99
70) Styrene	10.71	104	1074049	52.841	ug/l	99
71) Bromoform	10.86	173	301687	43.072	ug/l	99
73) Isopropylbenzene	11.02	105	1749866	51.223	ug/l	100
74) N-amyl acetate	10.90	43	662786	45.055	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	520238	47.602	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	500333m	52.402	ug/l	
77) Bromobenzene	11.26	156	483347	50.984	ug/l	100
78) n-propylbenzene	11.36	91	1987542	52.340	ug/l	100
79) 2-Chlorotoluene	11.42	91	1161963	51.482	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1473768	51.851	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	169353	41.624	ug/l	94
82) 4-Chlorotoluene	11.51	91	1355969	51.673	ug/l	100
83) tert-Butylbenzene	11.77	119	1538674	50.737	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1531552	52.183	ug/l	99
85) sec-Butylbenzene	11.94	105	1835604	53.205	ug/l	100
86) p-Isopropyltoluene	12.06	119	1650513	53.128	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	898406	53.258	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	890254	51.996	ug/l	100
89) n-Butylbenzene	12.38	91	1441943	54.398	ug/l	100
90) Hexachloroethane	12.60	117	278238	43.943	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	855236	51.084	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	113390	40.474	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	628351	51.444	ug/l	99
94) Hexachlorobutadiene	13.78	225	302177	55.942	ug/l	99
95) Naphthalene	13.83	128	1886545	49.654	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	622518	51.457	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

