

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110818\
 Data File : VX005851.D
 Acq On : 08 Nov 2018 19:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 2:50:00 PM

Quant Time: Nov 09 09:33:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	124539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	180805	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	142742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	80316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	72465	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
35) Dibromofluoromethane	5.50	113	60260	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
50) Toluene-d8	8.71	98	191789	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
62) 4-Bromofluorobenzene	11.14	95	71629	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	58165	51.801	ug/l	97
3) Chloromethane	1.32	50	71548	48.553	ug/l	97
4) Vinyl Chloride	1.41	62	73621	49.766	ug/l	95
5) Bromomethane	1.64	94	37728	41.674	ug/l	99
6) Chloroethane	1.71	64	42188	47.795	ug/l #	88
7) Trichlorofluoromethane	1.93	101	97928	49.870	ug/l	90
8) Diethyl Ether	2.19	74	40178	52.217	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	56245	49.802	ug/l	100
10) Methyl Iodide	2.51	142	64142	46.861	ug/l	98
11) Tert butyl alcohol	3.08	59	97208	237.010	ug/l	99
12) 1,1-Dichloroethene	2.37	96	52289	47.501	ug/l	81
13) Acrolein	2.30	56	43806	225.995	ug/l	99
14) Allyl chloride	2.73	41	121866	49.569	ug/l	97
15) Acrylonitrile	3.15	53	212905	250.484	ug/l	99
16) Acetone	2.45	43	186897	242.445	ug/l #	89
17) Carbon Disulfide	2.57	76	168845	51.423	ug/l	97
18) Methyl Acetate	2.78	43	104539	50.621	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	194913	51.879	ug/l	91
20) Methylene Chloride	2.85	84	63203	49.912	ug/l	87
21) trans-1,2-Dichloroethene	3.17	96	58700	50.558	ug/l	85
22) Diisopropyl ether	3.87	45	219263	50.911	ug/l	91
23) Vinyl Acetate	3.82	43	949642	257.169	ug/l	99
24) 1,1-Dichloroethane	3.69	63	115424	50.234	ug/l	99
25) 2-Butanone	4.70	43	306841	253.179	ug/l	97
26) 2,2-Dichloropropane	4.59	77	80917	48.008	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	67642	52.762	ug/l	96
28) Bromochloromethane	5.01	49	57215	55.716	ug/l	98
29) Tetrahydrofuran	5.15	42	202562	260.308	ug/l	99
30) Chloroform	5.21	83	108074	48.752	ug/l	99
31) Cyclohexane	5.57	56	100904	50.590	ug/l	90
32) 1,1,1-Trichloroethane	5.50	97	94324	51.013	ug/l	99
36) 1,1-Dichloropropene	5.80	75	80047	45.925	ug/l	98
37) Ethyl Acetate	4.85	43	112257	48.976	ug/l	100
38) Carbon Tetrachloride	5.78	117	82697	47.392	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	83340	47.176	ug/l	98
40) Benzene	6.14	78	236065	46.458	ug/l	100
41) Methacrylonitrile	5.06	41	62120	50.157	ug/l	98
42) 1,2-Dichloroethane	6.19	62	86108	47.313	ug/l	99
43) Isopropyl Acetate	6.46	43	160941	48.458	ug/l	97
44) Trichloroethene	7.21	130	56349	43.668	ug/l	97
45) 1,2-Dichloropropane	7.52	63	57450	46.582	ug/l	97
46) Dibromomethane	7.66	93	35928	46.424	ug/l	97
47) Bromodichloromethane	7.90	83	70080	47.915	ug/l	98
48) Methyl methacrylate	7.77	41	72776	48.800	ug/l	98
49) 1,4-Dioxane	7.75	88	30552	950.722	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	484372	231.404	ug/l	100
52) Toluene	8.78	92	134103	47.222	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	77343	44.811	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	84738	48.168	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	53601	42.351	ug/l	97
56) Ethyl methacrylate	9.18	69	90262	47.664	ug/l	95
57) 1,3-Dichloropropane	9.37	76	90291	42.452	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	239272	232.475	ug/l	100
59) 2-Hexanone	9.49	43	387937	210.258	ug/l	99
60) Dibromochloromethane	9.59	129	56527	41.326	ug/l	99
61) 1,2-Dibromoethane	9.67	107	56631	40.465	ug/l	99
64) Tetrachloroethene	9.34	164	62423	51.364	ug/l	97
65) Chlorobenzene	10.14	112	143534	50.194	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	53016	53.328	ug/l	99
67) Ethyl Benzene	10.25	91	252231	55.007	ug/l	99
68) m/p-Xylenes	10.36	106	193737	110.767	ug/l	99
69) o-Xylene	10.70	106	92925	59.249	ug/l	100
70) Styrene	10.71	104	155870	60.246	ug/l	99
71) Bromoform	10.86	173	46934	56.317	ug/l #	100
73) Isopropylbenzene	11.02	105	256349	55.193	ug/l	100
74) N-amyl acetate	10.90	43	128410	49.292	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	86094	50.502	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	84044m	51.390	ug/l	
77) Bromobenzene	11.26	156	67687	51.704	ug/l	99
78) n-propylbenzene	11.36	91	296795	54.221	ug/l	99
79) 2-Chlorotoluene	11.42	91	175670	53.096	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	218358	55.323	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	25893	50.462	ug/l	98
82) 4-Chlorotoluene	11.51	91	208157	53.384	ug/l	100
83) tert-Butylbenzene	11.77	119	213531	53.476	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	225800	51.844	ug/l	100
85) sec-Butylbenzene	11.94	105	259844	53.216	ug/l	100
86) p-Isopropyltoluene	12.07	119	233910	54.082	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	124352	49.495	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	126118	49.036	ug/l	99
89) n-Butylbenzene	12.39	91	207157	51.679	ug/l	100
90) Hexachloroethane	12.60	117	38052	52.696	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	126607	50.304	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21774	52.340	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	93904	52.999	ug/l	100
94) Hexachlorobutadiene	13.78	225	45323	48.697	ug/l	99
95) Naphthalene	13.83	128	291189	50.385	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	95878	53.116	ug/l	99

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

