

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120318\
 Data File : VX006266.D
 Acq On : 03 Dec 2018 20:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 9:59:00 AM

Quant Time: Dec 04 06:22:45 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	5.67	168	733704	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1095262	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	961896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	482180	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	367771	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
35) Dibromofluoromethane	5.50	113	356101	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	8.71	98	1263902	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.14	95	454632	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	366210	50.976	ug/l	99
3) Chloromethane	1.33	50	333325	45.151	ug/l	97
4) Vinyl Chloride	1.41	62	377399	47.499	ug/l	100
5) Bromomethane	1.64	94	277796	50.449	ug/l	98
6) Chloroethane	1.72	64	234623	48.161	ug/l	100
7) Trichlorofluoromethane	1.93	101	593367	48.651	ug/l	100
8) Diethyl Ether	2.19	74	221957	48.085	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	337112	48.609	ug/l	99
10) Methyl Iodide	2.51	142	515114	49.286	ug/l	99
11) Tert butyl alcohol	3.07	59	464854	226.943	ug/l	100
12) 1,1-Dichloroethene	2.37	96	317944	47.890	ug/l	96
13) Acrolein	2.30	56	251501	224.646	ug/l	99
14) Allyl chloride	2.73	41	600433	45.783	ug/l	99
15) Acrylonitrile	3.15	53	1005021	235.127	ug/l	100
16) Acetone	2.45	43	831731	236.625	ug/l	98
17) Carbon Disulfide	2.57	76	923564	45.145	ug/l	98
18) Methyl Acetate	2.78	43	575451	48.955	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	1134934	47.920	ug/l	98
20) Methylene Chloride	2.86	84	349208	46.681	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	337384	47.687	ug/l	96
22) Diisopropyl ether	3.87	45	1013453	49.474	ug/l	99
23) Vinyl Acetate	3.82	43	4264888	244.104	ug/l	99
24) 1,1-Dichloroethane	3.70	63	570237	48.703	ug/l	99
25) 2-Butanone	4.70	43	1206214	240.503	ug/l	98
26) 2,2-Dichloropropane	4.59	77	481369	44.548	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	392266	49.706	ug/l	99
28) Bromochloromethane	5.02	49	254983	49.858	ug/l	99
29) Tetrahydrofuran	5.15	42	832790	238.918	ug/l	100
30) Chloroform	5.22	83	610274	49.599	ug/l	97
31) Cyclohexane	5.57	56	520310	48.086	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	577733	49.349	ug/l	100
36) 1,1-Dichloropropene	5.80	75	454187	49.244	ug/l	99
37) Ethyl Acetate	4.85	43	482002	46.666	ug/l	99
38) Carbon Tetrachloride	5.79	117	533130	49.135	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	581029	48.532	ug/l	99
40) Benzene	6.14	78	1361130	49.273	ug/l	98
41) Methacrylonitrile	5.06	41	267540	47.073	ug/l	99
42) 1,2-Dichloroethane	6.20	62	448258	49.581	ug/l	100
43) Isopropyl Acetate	6.46	43	805153	46.754	ug/l	99
44) Trichloroethene	7.21	130	409032	48.877	ug/l	96
45) 1,2-Dichloropropane	7.52	63	341131	48.588	ug/l	97
46) Dibromomethane	7.66	93	250344	49.372	ug/l	98
47) Bromodichloromethane	7.90	83	488337	49.732	ug/l	99
48) Methyl methacrylate	7.77	41	394507	47.089	ug/l	97
49) 1,4-Dioxane	7.75	88	194685	942.853	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2337327	233.146	ug/l	99
52) Toluene	8.79	92	875223	48.158	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	543128	47.296	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	569674	47.773	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	367381	49.758	ug/l	98
56) Ethyl methacrylate	9.18	69	542240	46.978	ug/l	99
57) 1,3-Dichloropropane	9.37	76	576986	49.420	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1399953	239.012	ug/l	100
59) 2-Hexanone	9.49	43	1740388	227.227	ug/l	99
60) Dibromochloromethane	9.59	129	438619	48.177	ug/l	100
61) 1,2-Dibromoethane	9.67	107	397847	48.191	ug/l	100
64) Tetrachloroethene	9.34	164	366852	50.643	ug/l	99
65) Chlorobenzene	10.14	112	1010822	49.504	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	398688	50.254	ug/l	99
67) Ethyl Benzene	10.25	91	1659980	48.879	ug/l	99
68) m/p-Xylenes	10.36	106	1313167	96.530	ug/l	99
69) o-Xylene	10.70	106	648663	48.274	ug/l	99
70) Styrene	10.71	104	1045009	48.084	ug/l	99
71) Bromoform	10.86	173	353090	47.147	ug/l #	98
73) Isopropylbenzene	11.02	105	1702014	51.113	ug/l	100
74) N-amyl acetate	10.90	43	682428	47.592	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	526788	49.450	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	492439m	52.911	ug/l	
77) Bromobenzene	11.26	156	458220	49.586	ug/l	99
78) n-propylbenzene	11.36	91	1877368	50.719	ug/l	100
79) 2-Chlorotoluene	11.42	91	1098136	49.915	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1380201	49.817	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	184195	46.445	ug/l	94
82) 4-Chlorotoluene	11.51	91	1265381	49.470	ug/l	100
83) tert-Butylbenzene	11.77	119	1464876	49.555	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1427843	49.910	ug/l	100
85) sec-Butylbenzene	11.94	105	1697769	50.485	ug/l	99
86) p-Isopropyltoluene	12.07	119	1513673	49.986	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	811961	49.380	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	814019	48.775	ug/l	100
89) n-Butylbenzene	12.39	91	1272088	49.233	ug/l	100
90) Hexachloroethane	12.60	117	305210	49.452	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	799066	48.965	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	129307	47.351	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	572319	48.071	ug/l	99
94) Hexachlorobutadiene	13.79	225	258334	49.064	ug/l	100
95) Naphthalene	13.83	128	1844923	49.816	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	577180	48.945	ug/l	99

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

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