

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111821\
 Data File : VX025202.D
 Acq On : 18 Nov 2021 09:45
 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

Reviewed By : John Carlone 11/19/2021
 Supervised By : Mahesh Dadoda 11/26/2021

Quant Time: Nov 19 08:09:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	119737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	184150	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	169479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63437	50.263	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.520%			
35) Dibromofluoromethane	5.385	113	57872	51.219	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.440%			
50) Toluene-d8	8.647	98	216572	50.980	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.960%			
62) 4-Bromofluorobenzene	11.079	95	80807	50.280	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.560%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	58032	55.911	ug/l	100
3) Chloromethane	1.295	50	62441	48.586	ug/l	98
4) Vinyl Chloride	1.374	62	71200	50.461	ug/l	98
5) Bromomethane	1.599	94	33012	54.419	ug/l	96
6) Chloroethane	1.679	64	45819	47.063	ug/l	98
7) Trichlorofluoromethane	1.886	101	103786	49.557	ug/l	99
8) Diethyl Ether	2.136	74	41939	48.524	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	56460	50.668	ug/l	97
10) Methyl Iodide	2.453	142	69215	49.678	ug/l	92
11) Tert butyl alcohol	2.965	59	69446	221.419	ug/l	98
12) 1,1-Dichloroethene	2.319	96	54269	48.901	ug/l	88
13) Acrolein	2.233	56	14646	253.303	ug/l	97
14) Allyl chloride	2.660	41	94085	46.844	ug/l	94
15) Acrylonitrile	3.063	53	162760	240.314	ug/l	98
16) Acetone	2.380	43	184704	263.372	ug/l	93
17) Carbon Disulfide	2.508	76	144773	46.373	ug/l	98
18) Methyl Acetate	2.703	43	103607	46.239	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	187499	48.490	ug/l	97
20) Methylene Chloride	2.788	84	61122	46.363	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	58633	48.228	ug/l	88
22) Diisopropyl ether	3.764	45	186341	48.717	ug/l	93
23) Vinyl Acetate	3.721	43	753995	245.407	ug/l	96
24) 1,1-Dichloroethane	3.611	63	101400	48.517	ug/l	97
25) 2-Butanone	4.556	43	252471	249.001	ug/l	99
26) 2,2-Dichloropropane	4.477	77	92911	49.035	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	69614	49.033	ug/l	89
28) Bromochloromethane	4.898	49	49424	50.715	ug/l	91
29) Tetrahydrofuran	5.007	42	144787	230.624	ug/l	98
30) Chloroform	5.093	83	107115	49.248	ug/l	97
31) Cyclohexane	5.471	56	92939	47.652	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	97354	48.890	ug/l	98
36) 1,1-Dichloropropene	5.690	75	78411	48.804	ug/l	97
37) Ethyl Acetate	4.715	43	87755	48.007	ug/l	99
38) Carbon Tetrachloride	5.678	117	88438	49.977	ug/l	98
39) Methylcyclohexane	7.379	83	102470	49.723	ug/l	95
40) Benzene	6.038	78	238896	49.085	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	47403	46.722	ug/l	96
42) 1,2-Dichloroethane	6.086	62	79357	50.111	ug/l	92
43) Isopropyl Acetate	6.342	43	146775	48.248	ug/l	97
44) Trichloroethene	7.123	130	69943	49.470	ug/l	95
45) 1,2-Dichloropropane	7.428	63	59808	50.033	ug/l	98
46) Dibromomethane	7.580	93	43223	49.809	ug/l	93
47) Bromodichloromethane	7.824	83	86226	50.563	ug/l	97
48) Methyl methacrylate	7.690	41	67785	47.477	ug/l	95
49) 1,4-Dioxane	7.659	88	26994	895.321	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	458732	240.480	ug/l	98
52) Toluene	8.720	92	156360	49.209	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	96554	50.915	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	102226	49.730	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	63971	50.654	ug/l	97
56) Ethyl methacrylate	9.116	69	102252	49.893	ug/l	95
57) 1,3-Dichloropropane	9.311	76	104924	50.126	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	232748	244.100	ug/l	94
59) 2-Hexanone	9.433	43	367399	244.302	ug/l	96
60) Dibromochloromethane	9.525	129	73227	50.378	ug/l	99
61) 1,2-Dibromoethane	9.610	107	68340	49.963	ug/l	98
64) Tetrachloroethene	9.275	164	70298	50.302	ug/l	93
65) Chlorobenzene	10.080	112	173937	50.363	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	67470	50.942	ug/l	99
67) Ethyl Benzene	10.195	91	300403	50.333	ug/l	97
68) m/p-Xylenes	10.305	106	243064	99.707	ug/l	93
69) o-Xylene	10.640	106	119861	50.236	ug/l	90
70) Styrene	10.659	104	200368	50.833	ug/l	96
71) Bromoform	10.799	173	59045	51.349	ug/l #	100
73) Isopropylbenzene	10.964	105	305960	49.625	ug/l	97
74) N-amyl acetate	10.842	43	126887	47.581	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	94920	47.596	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	89241m	50.375	ug/l	
77) Bromobenzene	11.201	156	79147	49.916	ug/l	93
78) n-propylbenzene	11.305	91	351426	50.779	ug/l	97
79) 2-Chlorotoluene	11.366	91	207053	49.143	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	256405	49.475	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.018	75	35282	50.172	ug/l	87
82) 4-Chlorotoluene	11.457	91	237600	49.402	ug/l	95
83) tert-Butylbenzene	11.720	119	258145	49.013	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	256977	50.170	ug/l	96
85) sec-Butylbenzene	11.890	105	325789	50.880	ug/l	98
86) p-Isopropyltoluene	12.012	119	276138	50.193	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	147570	49.997	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	148035	49.497	ug/l	97
89) n-Butylbenzene	12.335	91	233489	50.353	ug/l	96
90) Hexachloroethane	12.543	117	51879	51.172	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	143417	49.859	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20791	49.910	ug/l	79
93) 1,2,4-Trichlorobenzene	13.591	180	93287	55.100	ug/l	98
94) Hexachlorobutadiene	13.725	225	40495	49.814	ug/l	98
95) Naphthalene	13.780	128	301464	51.657	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	90827	54.839	ug/l	97

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

