

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030922\
 Data File : VX027349.D
 Acq On : 09 Mar 2022 11:14
 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 03/10/2022
 Supervised By : Mahesh Dadoda 03/11/2022

Quant Time: Mar 10 00:33:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	310509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	555067	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	430134	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	218669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	195374	53.956	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.920%			
35) Dibromofluoromethane	5.385	113	156386	43.663	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 87.320%			
50) Toluene-d8	8.647	98	668799	49.461	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.920%			
62) 4-Bromofluorobenzene	11.079	95	206631	40.095	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 80.200%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	180289	56.643	ug/l	99
3) Chloromethane	1.294	50	149481	44.662	ug/l	99
4) Vinyl Chloride	1.374	62	169012	49.132	ug/l	99
5) Bromomethane	1.599	94	95045	70.413	ug/l	100
6) Chloroethane	1.679	64	100057	50.493	ug/l	99
7) Trichlorofluoromethane	1.886	101	273986	57.195	ug/l	98
8) Diethyl Ether	2.136	74	97589	52.283	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.325	101	162324	51.831	ug/l	97
10) Methyl Iodide	2.453	142	226441	51.224	ug/l	93
11) Tert butyl alcohol	2.965	59	175053	246.601	ug/l	99
12) 1,1-Dichloroethene	2.319	96	146800	48.758	ug/l	97
13) Acrolein	2.233	56	131756	264.790	ug/l	96
14) Allyl chloride	2.666	41	243222	51.503	ug/l	90
15) Acrylonitrile	3.062	53	441832	236.504	ug/l	98
16) Acetone	2.380	43	421894	301.222	ug/l	91
17) Carbon Disulfide	2.508	76	382218	46.727	ug/l	100
18) Methyl Acetate	2.703	43	197984	49.739	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	514036	51.531	ug/l	100
20) Methylene Chloride	2.788	84	165793	46.867	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	159358	47.620	ug/l	99
22) Diisopropyl ether	3.764	45	490531	51.958	ug/l	92
23) Vinyl Acetate	3.721	43	2172710	275.100	ug/l	94
24) 1,1-Dichloroethane	3.611	63	290505	50.677	ug/l	97
25) 2-Butanone	4.556	43	629682	252.456	ug/l	95
26) 2,2-Dichloropropane	4.477	77	232143	56.480	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	184255	47.457	ug/l	98
28) Bromochloromethane	4.897	49	114293	47.918	ug/l	97
29) Tetrahydrofuran	5.001	42	403795	244.671	ug/l	91
30) Chloroform	5.093	83	314032	51.902	ug/l	98
31) Cyclohexane	5.471	56	255717	50.487	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	283556	54.833	ug/l	99
36) 1,1-Dichloropropene	5.696	75	229699	46.192	ug/l	99
37) Ethyl Acetate	4.715	43	240575	45.896	ug/l	97
38) Carbon Tetrachloride	5.678	117	256458	49.875	ug/l	99
39) Methylcyclohexane	7.379	83	339804	54.114	ug/l	98
40) Benzene	6.037	78	647070	42.723	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	130518	46.182	ug/l	91
42) 1,2-Dichloroethane	6.086	62	257870	52.120	ug/l	95
43) Isopropyl Acetate	6.342	43	376525	47.651	ug/l	94
44) Trichloroethene	7.129	130	196160	47.155	ug/l	96
45) 1,2-Dichloropropane	7.434	63	197011	51.913	ug/l	99
46) Dibromomethane	7.580	93	141372	52.360	ug/l	98
47) Bromodichloromethane	7.824	83	268997	53.948	ug/l	100
48) Methyl methacrylate	7.696	41	207145	52.717	ug/l	92
49) 1,4-Dioxane	7.659	88	98324	955.567	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1338278	252.970	ug/l	96
52) Toluene	8.720	92	504080	52.207	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	278367	54.410	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	316763	55.157	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	172518	42.814	ug/l	98
56) Ethyl methacrylate	9.116	69	263175	44.279	ug/l #	82
57) 1,3-Dichloropropane	9.311	76	283820	43.632	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	764555	254.778	ug/l	99
59) 2-Hexanone	9.433	43	926073	226.618	ug/l	89
60) Dibromochloromethane	9.525	129	189614	46.106	ug/l	97
61) 1,2-Dibromoethane	9.610	107	184096	44.241	ug/l	99
64) Tetrachloroethene	9.275	164	155088	51.450	ug/l	96
65) Chlorobenzene	10.079	112	453085	50.068	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	171078	54.072	ug/l	99
67) Ethyl Benzene	10.195	91	813083	52.101	ug/l	99
68) m/p-Xylenes	10.305	106	629236	102.793	ug/l	97
69) o-Xylene	10.640	106	304931	50.455	ug/l	97
70) Styrene	10.659	104	513613	51.198	ug/l	98
71) Bromoform	10.799	173	133762	51.768	ug/l #	99
73) Isopropylbenzene	10.963	105	814601	50.936	ug/l	99
74) N-amyl acetate	10.842	43	313793	53.685	ug/l	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	261726	47.624	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	242270m	50.498	ug/l	
77) Bromobenzene	11.201	156	196825	48.772	ug/l	97
78) n-propylbenzene	11.305	91	943487	52.447	ug/l	99
79) 2-Chlorotoluene	11.366	91	554921	49.357	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	692599	50.514	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	77626	52.328	ug/l #	86
82) 4-Chlorotoluene	11.457	91	650698	51.161	ug/l	99
83) tert-Butylbenzene	11.719	119	690196	50.360	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	691880	50.879	ug/l	98
85) sec-Butylbenzene	11.890	105	848577	51.337	ug/l	99
86) p-Isopropyltoluene	12.012	119	725556	51.845	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	370737	48.898	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	374867	48.834	ug/l	99
89) n-Butylbenzene	12.335	91	634065	54.091	ug/l	97
90) Hexachloroethane	12.542	117	117121	53.696	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	363393	48.612	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	63151	54.845	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	246897	50.316	ug/l	98
94) Hexachlorobutadiene	13.725	225	107674	50.043	ug/l	95
95) Naphthalene	13.780	128	836561	50.784	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	246189	50.206	ug/l	96

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

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