

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031522\
 Data File : VX027441.D
 Acq On : 15 Mar 2022 12:19
 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 03/16/2022
 Supervised By : Mahesh Dadoda 03/16/2022

Quant Time: Mar 16 04:14:38 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	5.556	168	286548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	442867	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	418653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	219603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	188262	56.339	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 112.680%			
35) Dibromofluoromethane	5.385	113	154174	53.951	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.900%			
50) Toluene-d8	8.653	98	563839	52.263	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.520%			
62) 4-Bromofluorobenzene	11.079	95	222392	54.086	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 108.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	154519	52.606	ug/l	100
3) Chloromethane	1.294	50	132337	42.846	ug/l	100
4) Vinyl Chloride	1.374	62	150138	47.295	ug/l	99
5) Bromomethane	1.599	94	75706	59.992	ug/l	99
6) Chloroethane	1.679	64	96628	53.208	ug/l	99
7) Trichlorofluoromethane	1.880	101	249170	56.365	ug/l	99
8) Diethyl Ether	2.136	74	95054	55.183	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	164722	56.994	ug/l	95
10) Methyl Iodide	2.453	142	214117	52.487	ug/l	99
11) Tert butyl alcohol	2.965	59	173371	264.654	ug/l	100
12) 1,1-Dichloroethene	2.319	96	154059	55.448	ug/l	92
13) Acrolein	2.233	56	134682	293.304	ug/l	98
14) Allyl chloride	2.660	41	225604	51.767	ug/l	92
15) Acrylonitrile	3.062	53	420375	243.835	ug/l	98
16) Acetone	2.380	43	393575	304.532	ug/l	98
17) Carbon Disulfide	2.508	76	358073	47.435	ug/l	99
18) Methyl Acetate	2.703	43	186728	50.834	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	491477	53.389	ug/l	100
20) Methylene Chloride	2.788	84	156662	47.989	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	149025	48.256	ug/l	98
22) Diisopropyl ether	3.764	45	461565	52.978	ug/l	91
23) Vinyl Acetate	3.721	43	2020266	277.187	ug/l	95
24) 1,1-Dichloroethane	3.611	63	273836	51.763	ug/l	98
25) 2-Butanone	4.556	43	592664	257.484	ug/l	95
26) 2,2-Dichloropropane	4.477	77	226321	59.668	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	178653	49.862	ug/l	98
28) Bromochloromethane	4.904	49	109510	49.752	ug/l	98
29) Tetrahydrofuran	5.007	42	377828	248.081	ug/l	92
30) Chloroform	5.099	83	299421	53.626	ug/l	99
31) Cyclohexane	5.471	56	230852	49.389	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	270522	56.687	ug/l	99
36) 1,1-Dichloropropene	5.696	75	212937	53.670	ug/l	100
37) Ethyl Acetate	4.715	43	222606	53.227	ug/l	98
38) Carbon Tetrachloride	5.678	117	245648	59.875	ug/l	98
39) Methylcyclohexane	7.379	83	261983	52.291	ug/l	96
40) Benzene	6.037	78	612311	50.670	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	122707	54.418	ug/l	93
42) 1,2-Dichloroethane	6.092	62	242154	61.343	ug/l	96
43) Isopropyl Acetate	6.342	43	353494	56.070	ug/l	95
44) Trichloroethene	7.129	130	176649	53.223	ug/l	96
45) 1,2-Dichloropropane	7.434	63	159505	52.678	ug/l	98
46) Dibromomethane	7.580	93	121084	56.207	ug/l	98
47) Bromodichloromethane	7.824	83	235043	59.081	ug/l	98
48) Methyl methacrylate	7.696	41	182439	58.192	ug/l	87
49) 1,4-Dioxane	7.659	88	81191	988.966	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	1186533	281.109	ug/l	94
52) Toluene	8.720	92	411451	53.410	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	245906	60.243	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	263816	57.576	ug/l #	91
55) 1,1,2-Trichloroethane	9.153	97	174773	54.362	ug/l	100
56) Ethyl methacrylate	9.116	69	264171	55.707	ug/l #	86
57) 1,3-Dichloropropane	9.311	76	281716	54.281	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	656199	274.070	ug/l	99
59) 2-Hexanone	9.433	43	917383	281.366	ug/l	91
60) Dibromochloromethane	9.525	129	198015	60.347	ug/l	96
61) 1,2-Dibromoethane	9.610	107	187676	56.528	ug/l	98
64) Tetrachloroethene	9.275	164	161989	55.213	ug/l	97
65) Chlorobenzene	10.079	112	468908	53.237	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	178821	58.069	ug/l	98
67) Ethyl Benzene	10.195	91	821897	54.110	ug/l	99
68) m/p-Xylenes	10.305	106	649517	109.016	ug/l	100
69) o-Xylene	10.646	106	317666	54.004	ug/l	99
70) Styrene	10.659	104	536166	54.912	ug/l	98
71) Bromoform	10.805	173	149188	59.322	ug/l #	100
73) Isopropylbenzene	10.963	105	842819	52.477	ug/l	99
74) N-amyl acetate	10.842	43	314313	53.545	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	270788	49.063	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	251796m	52.260	ug/l	
77) Bromobenzene	11.201	156	211756	52.249	ug/l	97
78) n-propylbenzene	11.305	91	963556	53.335	ug/l	98
79) 2-Chlorotoluene	11.366	91	583103	51.643	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	724171	52.592	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	82203	55.177	ug/l	89
82) 4-Chlorotoluene	11.457	91	680085	53.244	ug/l	99
83) tert-Butylbenzene	11.719	119	726513	52.785	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	725557	53.128	ug/l	98
85) sec-Butylbenzene	11.890	105	891918	53.729	ug/l	100
86) p-Isopropyltoluene	12.012	119	773000	55.001	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	395491	51.941	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	401136	52.034	ug/l	99
89) n-Butylbenzene	12.335	91	661049	56.153	ug/l	97
90) Hexachloroethane	12.542	117	125216	57.163	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	390516	52.018	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	62565	54.105	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	249454	50.621	ug/l	99
94) Hexachlorobutadiene	13.725	225	113905	52.714	ug/l	94
95) Naphthalene	13.780	128	833506	50.383	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	250673	50.903	ug/l	96

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

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