

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072222\
 Data File : VX030176.D
 Acq On : 22 Jul 2022 13:11
 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 07/25/2022
 Supervised By : Mahesh Dadoda 07/25/2022

Quant Time: Jul 22 23:49:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	250918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	434299	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	389192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	194851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	154826	50.694	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.380%			
35) Dibromofluoromethane	5.391	113	128603	46.352	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.700%			
50) Toluene-d8	8.653	98	486597	46.633	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.260%			
62) 4-Bromofluorobenzene	11.085	95	183609	50.705	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	123081	43.049	ug/l	98
3) Chloromethane	1.288	50	107597	41.151	ug/l	99
4) Vinyl Chloride	1.374	62	116172	40.001	ug/l	99
5) Bromomethane	1.605	94	52324	42.413	ug/l	94
6) Chloroethane	1.678	64	67044	40.994	ug/l	95
7) Trichlorofluoromethane	1.886	101	163427	43.573	ug/l	98
8) Diethyl Ether	2.136	74	61673	39.747	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	117876	46.037	ug/l	99
10) Methyl Iodide	2.453	142	115666	46.203	ug/l	94
11) Tert butyl alcohol	2.983	59	184495	234.060	ug/l	99
12) 1,1-Dichloroethene	2.319	96	112594	44.043	ug/l	96
13) Acrolein	2.239	56	5284	33.659	ug/l	94
14) Allyl chloride	2.660	41	233780	52.329	ug/l	97
15) Acrylonitrile	3.068	53	452319	252.491	ug/l	98
16) Acetone	2.386	43	421624	292.973	ug/l	96
17) Carbon Disulfide	2.508	76	280726	39.160	ug/l	98
18) Methyl Acetate	2.709	43	228411	52.172	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	412813	51.085	ug/l	97
20) Methylene Chloride	2.788	84	134478	46.071	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	123894	46.495	ug/l	97
22) Diisopropyl ether	3.763	45	479977	54.887	ug/l	95
23) Vinyl Acetate	3.727	43	2089993	282.318	ug/l	98
24) 1,1-Dichloroethane	3.611	63	237010	48.910	ug/l	99
25) 2-Butanone	4.562	43	678392	276.730	ug/l	95
26) 2,2-Dichloropropane	4.477	77	184506	54.203	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	149098	45.691	ug/l	94
28) Bromochloromethane	4.903	49	112212	55.043	ug/l	96
29) Tetrahydrofuran	5.013	42	436270	262.232	ug/l	95
30) Chloroform	5.099	83	240162	49.732	ug/l	99
31) Cyclohexane	5.470	56	216843	48.977	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	198375	50.261	ug/l	99
36) 1,1-Dichloropropene	5.690	75	175929	49.091	ug/l	97
37) Ethyl Acetate	4.721	43	244715	53.141	ug/l	98
38) Carbon Tetrachloride	5.678	117	165645	49.565	ug/l	97
39) Methylcyclohexane	7.385	83	220184	48.466	ug/l	95
40) Benzene	6.043	78	543161	48.154	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	132921	53.607	ug/l	96
42) 1,2-Dichloroethane	6.092	62	187905	53.752	ug/l	97
43) Isopropyl Acetate	6.348	43	371546	53.656	ug/l	97
44) Trichloroethene	7.129	130	141314	42.873	ug/l	97
45) 1,2-Dichloropropane	7.433	63	146782	50.064	ug/l	100
46) Dibromomethane	7.586	93	96712	47.926	ug/l	96
47) Bromodichloromethane	7.824	83	183737	50.179	ug/l	96
48) Methyl methacrylate	7.696	41	181507	56.808	ug/l	96
49) 1,4-Dioxane	7.677	88	77933	938.832	ug/l	96
51) 4-Methyl-2-Pentanone	8.573	43	1250201	272.835	ug/l	97
52) Toluene	8.720	92	339520	47.401	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	200898	52.821	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	222993	51.178	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	140504	47.568	ug/l	97
56) Ethyl methacrylate	9.122	69	233593	52.600	ug/l	94
57) 1,3-Dichloropropane	9.311	76	234232	49.919	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	469767	194.807	ug/l	98
59) 2-Hexanone	9.433	43	993698	282.787	ug/l	96
60) Dibromochloromethane	9.525	129	139663	48.534	ug/l	100
61) 1,2-Dibromoethane	9.610	107	145507	47.332	ug/l	100
64) Tetrachloroethene	9.275	164	135962	43.519	ug/l	93
65) Chlorobenzene	10.079	112	355914	45.925	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	127091	48.103	ug/l	100
67) Ethyl Benzene	10.195	91	651104	49.570	ug/l	98
68) m/p-Xylenes	10.305	106	490611	95.233	ug/l	94
69) o-Xylene	10.646	106	244302	47.361	ug/l	94
70) Styrene	10.659	104	412586	48.190	ug/l	98
71) Bromoform	10.805	173	96880	45.640	ug/l #	100
73) Isopropylbenzene	10.963	105	639260	47.117	ug/l	100
74) N-amyl acetate	10.847	43	319876	53.680	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	225460	46.061	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	216227m	48.264	ug/l	
77) Bromobenzene	11.201	156	145738	42.933	ug/l	93
78) n-propylbenzene	11.305	91	791856	49.197	ug/l	98
79) 2-Chlorotoluene	11.366	91	459011	47.611	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	538009	47.061	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	75629	48.719	ug/l	96
82) 4-Chlorotoluene	11.457	91	528764	48.952	ug/l	97
83) tert-Butylbenzene	11.719	119	500220	45.626	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	546565	48.335	ug/l	98
85) sec-Butylbenzene	11.890	105	695669	47.998	ug/l	99
86) p-Isopropyltoluene	12.012	119	560776	48.228	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	284642	45.382	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	284848	44.255	ug/l	99
89) n-Butylbenzene	12.335	91	540878	51.917	ug/l	99
90) Hexachloroethane	12.542	117	93081	46.828	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	279712	43.896	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	53228	47.624	ug/l	93
93) 1,2,4-Trichlorobenzene	13.591	180	175258	44.778	ug/l	97
94) Hexachlorobutadiene	13.725	225	67702	43.326	ug/l	98
95) Naphthalene	13.780	128	678332	43.663	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	174561	43.833	ug/l	99

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

