

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032322\
 Data File : VX027681.D
 Acq On : 23 Mar 2022 20:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/24/2022
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 24 04:37:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	323766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	522129	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	446138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	229340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	176304	44.203	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.400%		
35) Dibromofluoromethane	5.385	113	163322	48.618	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.240%		
50) Toluene-d8	8.653	98	611901	48.136	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.280%		
62) 4-Bromofluorobenzene	11.079	95	216661	46.371	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	150212	48.335	ug/l	99
3) Chloromethane	1.294	50	136063	49.321	ug/l	100
4) Vinyl Chloride	1.374	62	153939	48.294	ug/l	99
5) Bromomethane	1.599	94	62733	37.055	ug/l	98
6) Chloroethane	1.679	64	95243	48.692	ug/l	99
7) Trichlorofluoromethane	1.886	101	229218	43.562	ug/l	97
8) Diethyl Ether	2.136	74	92061	46.970	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	152929	48.806	ug/l	94
10) Methyl Iodide	2.453	142	172772	41.655	ug/l	98
11) Tert butyl alcohol	2.971	59	168594	221.797	ug/l	100
12) 1,1-Dichloroethene	2.319	96	146659	48.783	ug/l	91
13) Acrolein	2.239	56	76682	130.000	ug/l	97
14) Allyl chloride	2.666	41	222480	47.291	ug/l	95
15) Acrylonitrile	3.062	53	440912	255.141	ug/l	99
16) Acetone	2.380	43	359324	221.023	ug/l	95
17) Carbon Disulfide	2.508	76	335993	43.922	ug/l	99
18) Methyl Acetate	2.703	43	196417	50.411	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	492456	48.550	ug/l	100
20) Methylene Chloride	2.788	84	165294	47.289	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	153804	47.960	ug/l	99
22) Diisopropyl ether	3.764	45	463870	50.490	ug/l #	89
23) Vinyl Acetate	3.727	43	2005596	251.023	ug/l	97
24) 1,1-Dichloroethane	3.611	63	276954	49.564	ug/l	99
25) 2-Butanone	4.562	43	600704	245.592	ug/l	97
26) 2,2-Dichloropropane	4.483	77	196534	43.072	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	187679	50.464	ug/l	95
28) Bromochloromethane	4.904	49	116675	51.762	ug/l	93
29) Tetrahydrofuran	5.007	42	395731	252.204	ug/l	94
30) Chloroform	5.099	83	305457	49.556	ug/l	99
31) Cyclohexane	5.471	56	238652	48.186	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	269326	47.991	ug/l	99
36) 1,1-Dichloropropene	5.696	75	216712	47.207	ug/l	98
37) Ethyl Acetate	4.721	43	226719	49.563	ug/l	99
38) Carbon Tetrachloride	5.684	117	241811	46.042	ug/l	98
39) Methylcyclohexane	7.385	83	268214	46.462	ug/l	99
40) Benzene	6.044	78	662070	50.270	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	126373	50.656	ug/l	95
42) 1,2-Dichloroethane	6.092	62	227279	46.046	ug/l	100
43) Isopropyl Acetate	6.342	43	334669	45.459	ug/l	99
44) Trichloroethene	7.129	130	183266	45.839	ug/l	98
45) 1,2-Dichloropropane	7.434	63	161026	48.002	ug/l	96
46) Dibromomethane	7.586	93	121767	47.517	ug/l	96
47) Bromodichloromethane	7.824	83	224098	46.444	ug/l	99
48) Methyl methacrylate	7.696	41	170628	46.832	ug/l	95
49) 1,4-Dioxane	7.659	88	85748	916.321	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	1086521	231.197	ug/l	99
52) Toluene	8.720	92	431781	48.923	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	222659	44.961	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	260458	48.324	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	182614	50.818	ug/l	99
56) Ethyl methacrylate	9.116	69	266742	49.612	ug/l	93
57) 1,3-Dichloropropane	9.311	76	287007	49.197	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	693669	254.882	ug/l	97
59) 2-Hexanone	9.433	43	815639	225.344	ug/l	97
60) Dibromochloromethane	9.525	129	190194	48.080	ug/l	97
61) 1,2-Dibromoethane	9.610	107	192228	48.671	ug/l	99
64) Tetrachloroethene	9.275	164	182109	52.499	ug/l	98
65) Chlorobenzene	10.079	112	449299	48.957	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	165840	48.433	ug/l	100
67) Ethyl Benzene	10.195	91	763654	48.613	ug/l	96
68) m/p-Xylenes	10.305	106	617255	99.795	ug/l	97
69) o-Xylene	10.646	106	324522	54.038	ug/l	96
70) Styrene	10.659	104	536660	54.703	ug/l	99
71) Bromoform	10.799	173	141453	51.710	ug/l #	99
73) Isopropylbenzene	10.963	105	836766	50.092	ug/l	100
74) N-amyl acetate	10.842	43	286216	48.321	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	260105	49.156	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	239504m	49.928	ug/l	
77) Bromobenzene	11.201	156	205630	48.837	ug/l	95
78) n-propylbenzene	11.305	91	915975	49.951	ug/l	98
79) 2-Chlorotoluene	11.366	91	555437	48.286	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	698494	49.682	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	73375	46.454	ug/l	94
82) 4-Chlorotoluene	11.457	91	637344	48.663	ug/l	99
83) tert-Butylbenzene	11.719	119	691467	49.647	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	695097	49.575	ug/l	99
85) sec-Butylbenzene	11.890	105	839939	49.905	ug/l	100
86) p-Isopropyltoluene	12.012	119	728219	50.373	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	377792	48.427	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	382626	48.472	ug/l	99
89) n-Butylbenzene	12.335	91	596598	49.451	ug/l	97
90) Hexachloroethane	12.542	117	109825	47.637	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	375600	49.309	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	58904	48.536	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	235900	48.317	ug/l	99
94) Hexachlorobutadiene	13.725	225	101789	47.196	ug/l	94
95) Naphthalene	13.780	128	807564	50.810	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	237201	48.028	ug/l	95

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

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