

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030822\
 Data File : VX027347.D
 Acq On : 08 Mar 2022 21:30
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/09/2022
 Supervised By : Mahesh Dadoda 03/09/2022

Quant Time: Mar 09 00:19:23 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	346845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	559826	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	516074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	253361	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	199021	49.205	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.400%
35) Dibromofluoromethane	5.391	113	178126	49.310	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.620%
50) Toluene-d8	8.653	98	670867	49.193	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.380%
62) 4-Bromofluorobenzene	11.085	95	246534	47.431	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.860%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	181727	51.114	ug/l	99
3) Chloromethane	1.294	50	181131	48.449	ug/l	99
4) Vinyl Chloride	1.374	62	190708	49.632	ug/l	99
5) Bromomethane	1.599	94	82530	53.462	ug/l	99
6) Chloroethane	1.678	64	114217	51.768	ug/l	99
7) Trichlorofluoromethane	1.886	101	261309	48.834	ug/l	97
8) Diethyl Ether	2.136	74	104678	50.206	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	169719	48.515	ug/l	96
10) Methyl Iodide	2.453	142	255471	51.737	ug/l	100
11) Tert butyl alcohol	2.971	59	196385	247.669	ug/l	99
12) 1,1-Dichloroethene	2.319	96	169714	50.464	ug/l	95
13) Acrolein	2.233	56	148817	267.746	ug/l	97
14) Allyl chloride	2.666	41	260245	49.334	ug/l	95
15) Acrylonitrile	3.062	53	531011	254.463	ug/l	99
16) Acetone	2.380	43	419495	267.811	ug/l	98
17) Carbon Disulfide	2.508	76	429577	47.015	ug/l	100
18) Methyl Acetate	2.703	43	220459	49.583	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	558703	50.141	ug/l	100
20) Methylene Chloride	2.788	84	191614	48.492	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	182889	48.926	ug/l	99
22) Diisopropyl ether	3.763	45	536651	50.888	ug/l	92
23) Vinyl Acetate	3.727	43	2281918	258.659	ug/l	97
24) 1,1-Dichloroethane	3.611	63	319955	49.967	ug/l	99
25) 2-Butanone	4.562	43	703892	252.644	ug/l	98
26) 2,2-Dichloropropane	4.477	77	207750	45.250	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	214620	49.487	ug/l	94
28) Bromochloromethane	4.897	49	131195	49.242	ug/l	97
29) Tetrahydrofuran	5.007	42	466321	252.957	ug/l	94
30) Chloroform	5.099	83	337213	49.895	ug/l	99
31) Cyclohexane	5.470	56	286786	50.690	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	290453	50.283	ug/l	99
36) 1,1-Dichloropropene	5.696	75	247634	49.375	ug/l	98
37) Ethyl Acetate	4.721	43	261963	49.551	ug/l	100
38) Carbon Tetrachloride	5.678	117	259932	50.120	ug/l	99
39) Methylcyclohexane	7.385	83	309820	48.919	ug/l	98
40) Benzene	6.044	78	753291	49.313	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	145572	51.071	ug/l	96
42) 1,2-Dichloroethane	6.092	62	252825	50.666	ug/l	100
43) Isopropyl Acetate	6.342	43	397818	49.917	ug/l	99
44) Trichloroethene	7.129	130	206605	49.244	ug/l	99
45) 1,2-Dichloropropane	7.434	63	192194	50.213	ug/l	99
46) Dibromomethane	7.586	93	137733	50.578	ug/l	98
47) Bromodichloromethane	7.824	83	256326	50.970	ug/l	100
48) Methyl methacrylate	7.696	41	203149	51.261	ug/l	93
49) 1,4-Dioxane	7.659	88	102977	992.280	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	1362245	255.312	ug/l	97
52) Toluene	8.720	92	493909	50.719	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	264438	51.248	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	295505	51.018	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	205828	50.647	ug/l	99
56) Ethyl methacrylate	9.116	69	309480	51.627	ug/l	95
57) 1,3-Dichloropropane	9.311	76	329520	50.227	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	778651	257.270	ug/l	100
59) 2-Hexanone	9.433	43	1040488	252.452	ug/l	95
60) Dibromochloromethane	9.525	129	213700	51.521	ug/l	96
61) 1,2-Dibromoethane	9.610	107	213829	50.949	ug/l	98
64) Tetrachloroethene	9.275	164	173801	48.057	ug/l	98
65) Chlorobenzene	10.079	112	537135	49.471	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	194772	51.309	ug/l	99
67) Ethyl Benzene	10.195	91	948964	50.681	ug/l	98
68) m/p-Xylenes	10.305	106	744072	101.311	ug/l	99
69) o-Xylene	10.646	106	367470	50.678	ug/l	99
70) Styrene	10.659	104	610759	50.744	ug/l	99
71) Bromoform	10.805	173	156994	50.641	ug/l	99
73) Isopropylbenzene	10.963	105	942450	50.861	ug/l	100
74) N-amyl acetate	10.841	43	344910	50.928	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	309897	48.668	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	280449m	50.451	ug/l	
77) Bromobenzene	11.201	156	233050	49.841	ug/l	97
78) n-propylbenzene	11.305	91	1068218	51.250	ug/l	98
79) 2-Chlorotoluene	11.366	91	646382	49.619	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	799291	50.313	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	86958	50.592	ug/l	93
82) 4-Chlorotoluene	11.457	91	737311	50.033	ug/l	98
83) tert-Butylbenzene	11.719	119	811473	51.102	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	796046	50.523	ug/l	100
85) sec-Butylbenzene	11.890	105	975227	50.920	ug/l	100
86) p-Isopropyltoluene	12.012	119	826226	50.955	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	433116	49.303	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	433667	48.759	ug/l	98
89) n-Butylbenzene	12.335	91	679436	50.025	ug/l	98
90) Hexachloroethane	12.542	117	129395	51.200	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	426158	49.202	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	71932	53.917	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	280706	49.373	ug/l	99
94) Hexachlorobutadiene	13.725	225	120013	48.140	ug/l	93
95) Naphthalene	13.780	128	990442	51.892	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	286942	50.504	ug/l	95

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

