

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042523\
 Data File : VX035276.D
 Acq On : 25 Apr 2023 12:09
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/25/2023
 Supervised By : Mahesh Dadoda 04/26/2023

Quant Time: Apr 25 12:36:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 12:16:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	255165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	402110	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	357866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	182312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	338263	86.681	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 173.360%#			
35) Dibromofluoromethane	5.385	113	278511	104.718	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 209.440%#			
50) Toluene-d8	8.647	98	1019807	103.883	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 207.760%#			
62) 4-Bromofluorobenzene	11.079	95	397833	104.724	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 209.440%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	328337	129.013	ug/l	100
3) Chloromethane	1.294	50	281372	88.303	ug/l	98
4) Vinyl Chloride	1.374	62	288887	91.564	ug/l	100
5) Bromomethane	1.618	94	195571	95.392	ug/l	98
6) Chloroethane	1.691	64	163664	79.730	ug/l	98
7) Trichlorofluoromethane	1.886	101	441949	87.133	ug/l	100
8) Diethyl Ether	2.130	74	159910	89.428	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	292904	110.486	ug/l	96
10) Methyl Iodide	2.453	142	406112	123.013	ug/l	98
11) Tert butyl alcohol	3.026	59	329104m	480.665	ug/l	
12) 1,1-Dichloroethene	2.319	96	286124	109.227	ug/l	98
13) Acrolein	2.239	56	329929	468.104	ug/l	99
14) Allyl chloride	2.666	41	522293	101.771	ug/l	97
15) Acrylonitrile	3.068	53	805339	522.545	ug/l	99
16) Acetone	2.398	43	715811	451.537	ug/l	97
17) Carbon Disulfide	2.514	76	740909	112.933	ug/l	100
18) Methyl Acetate	2.709	43	600907	106.684	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	991602	102.241	ug/l	97
20) Methylene Chloride	2.788	84	325074	103.915	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	307339	107.577	ug/l	97
22) Diisopropyl ether	3.757	45	977623	94.410	ug/l	94
23) Vinyl Acetate	3.721	43	3548170	480.449	ug/l	98
24) 1,1-Dichloroethane	3.611	63	569945	102.296	ug/l	100
25) 2-Butanone	4.568	43	1105738	479.506	ug/l	97
26) 2,2-Dichloropropane	4.477	77	469344	102.437	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	361400	106.758	ug/l	96
28) Bromochloromethane	4.897	49	237616	87.185	ug/l	87
29) Tetrahydrofuran	5.013	42	707659	489.863	ug/l	96
30) Chloroform	5.093	83	575023	101.613	ug/l	96
31) Cyclohexane	5.471	56	511226	107.587	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	518128	107.293	ug/l	97
36) 1,1-Dichloropropene	5.696	75	441848	112.135	ug/l	98
37) Ethyl Acetate	4.715	43	420898	102.157	ug/l	97
38) Carbon Tetrachloride	5.678	117	456606	122.910	ug/l	98
39) Methylcyclohexane	7.379	83	551192	131.732	ug/l	99
40) Benzene	6.037	78	1272051	112.461	ug/l	99

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41) Methacrylonitrile	4.922	41	243750	108.785	ug/l	98
42) 1,2-Dichloroethane	6.086	62	453451	100.836	ug/l	97
43) Isopropyl Acetate	6.336	43	723989	105.033	ug/l	96
44) Trichloroethene	7.123	130	357691	123.882	ug/l	96
45) 1,2-Dichloropropane	7.427	63	327812	111.217	ug/l	100
46) Dibromomethane	7.580	93	225205	111.047	ug/l	93
47) Bromodichloromethane	7.824	83	443048	118.270	ug/l	100
48) Methyl methacrylate	7.690	41	358832	106.002	ug/l	93
49) 1,4-Dioxane	7.738	88	158481	2271.755	ug/l #	79
51) 4-Methyl-2-Pentanone	8.574	43	2091492	512.682	ug/l	96
52) Toluene	8.720	92	805469	109.215	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	506027	125.568	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	545461	123.683	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	316561	113.410	ug/l	98
56) Ethyl methacrylate	9.116	69	516265	118.047	ug/l	91
57) 1,3-Dichloropropane	9.305	76	550351	111.333	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	1276850	573.400	ug/l	95
59) 2-Hexanone	9.433	43	1554094	503.665	ug/l	94
60) Dibromochloromethane	9.519	129	353806	133.062	ug/l	100
61) 1,2-Dibromoethane	9.610	107	345531	119.044	ug/l	100
64) Tetrachloroethene	9.275	164	302609	118.159	ug/l	99
65) Chlorobenzene	10.079	112	878892	118.038	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	332451	129.848	ug/l	98
67) Ethyl Benzene	10.195	91	1553153	115.146	ug/l	99
68) m/p-Xylenes	10.299	106	1197121	232.338	ug/l	97
69) o-Xylene	10.640	106	594866	117.852	ug/l	97
70) Styrene	10.652	104	984941	122.236	ug/l	98
71) Bromoform	10.799	173	255764	146.876	ug/l	99
73) Isopropylbenzene	10.963	105	1529605	114.539	ug/l	99
74) N-amyl acetate	10.841	43	620809	103.393	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	463536	105.905	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	374497m	101.947	ug/l	
77) Bromobenzene	11.201	156	382590	115.622	ug/l	93
78) n-propylbenzene	11.305	91	1781742	115.495	ug/l	98
79) 2-Chlorotoluene	11.366	91	1071536	110.010	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	1310576	117.375	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	153269	125.042	ug/l	95
82) 4-Chlorotoluene	11.457	91	1238288	109.476	ug/l	97
83) tert-Butylbenzene	11.713	119	1305015	124.464	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	1318884	116.151	ug/l	100
85) sec-Butylbenzene	11.890	105	1617972	126.842	ug/l	98
86) p-Isopropyltoluene	12.012	119	1404051	132.004	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	722452	119.886	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	727795	115.634	ug/l	99
89) n-Butylbenzene	12.335	91	1216435	130.899	ug/l	99
90) Hexachloroethane	12.542	117	246545	149.607	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	691073	114.505	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	106751	116.847	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	472113	138.308	ug/l	99
94) Hexachlorobutadiene	13.725	225	200287	133.404	ug/l	98
95) Naphthalene	13.774	128	1474863	121.598	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	459422	133.462	ug/l	98

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

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