

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051923\
 Data File : VX035772.D
 Acq On : 19 May 2023 19:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/22/2023
 Supervised By : Mahesh Dadoda 05/22/2023

Quant Time: May 22 05:20:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	186648	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	332068	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	301119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	145024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	173804	53.377	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.760%			
35) Dibromofluoromethane	5.385	113	117839	52.619	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.240%			
50) Toluene-d8	8.647	98	427068	51.621	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.240%			
62) 4-Bromofluorobenzene	11.079	95	176156	52.882	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.760%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	125823	51.726	ug/l	99
3) Chloromethane	1.294	50	132968	45.044	ug/l	100
4) Vinyl Chloride	1.374	62	129659	51.756	ug/l	97
5) Bromomethane	1.617	94	68078	50.175	ug/l	99
6) Chloroethane	1.691	64	70806	46.589	ug/l	98
7) Trichlorofluoromethane	1.886	101	179076	48.615	ug/l	99
8) Diethyl Ether	2.130	74	66462	46.861	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	109283	49.969	ug/l	94
10) Methyl Iodide	2.453	142	114494	58.535	ug/l	90
11) Tert butyl alcohol	3.032	59	127518	221.975	ug/l	# 86
12) 1,1-Dichloroethene	2.319	96	101080	48.630	ug/l	87
13) Acrolein	2.239	56	138217	202.716	ug/l	99
14) Allyl chloride	2.666	41	209443	47.034	ug/l	92
15) Acrylonitrile	3.068	53	334889	264.734	ug/l	99
16) Acetone	2.398	43	308182	220.212	ug/l	91
17) Carbon Disulfide	2.514	76	216389	43.136	ug/l	100
18) Methyl Acetate	2.709	43	283223	54.875	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	410347	49.611	ug/l	99
20) Methylene Chloride	2.788	84	122136	48.154	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	111577	48.989	ug/l	92
22) Diisopropyl ether	3.757	45	438201	50.260	ug/l	100
23) Vinyl Acetate	3.721	43	1546462	250.680	ug/l	97
24) 1,1-Dichloroethane	3.611	63	232591	49.881	ug/l	98
25) 2-Butanone	4.568	43	481909	248.751	ug/l	97
26) 2,2-Dichloropropane	4.477	77	174411	44.169	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	133780	48.861	ug/l	95
28) Bromochloromethane	4.897	49	109975	52.435	ug/l	94
29) Tetrahydrofuran	5.013	42	313348	257.334	ug/l	98
30) Chloroform	5.092	83	239226	50.066	ug/l	98
31) Cyclohexane	5.470	56	203649	49.503	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	205820	49.507	ug/l	98
36) 1,1-Dichloropropene	5.690	75	172722	48.862	ug/l	97
37) Ethyl Acetate	4.714	43	190277	51.607	ug/l	99
38) Carbon Tetrachloride	5.678	117	164620	49.161	ug/l	99
39) Methylcyclohexane	7.379	83	200157	48.103	ug/l	93
40) Benzene	6.037	78	488026	49.351	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	113676	51.928	ug/l	96
42) 1,2-Dichloroethane	6.086	62	215064	50.557	ug/l	96
43) Isopropyl Acetate	6.342	43	320845	49.904	ug/l	98
44) Trichloroethene	7.123	130	121030	48.268	ug/l	90
45) 1,2-Dichloropropane	7.427	63	130882	49.973	ug/l	100
46) Dibromomethane	7.580	93	89777	50.078	ug/l	94
47) Bromodichloromethane	7.818	83	172491	49.779	ug/l	97
48) Methyl methacrylate	7.690	41	162731	51.287	ug/l	96
49) 1,4-Dioxane	7.732	88	56045	861.607	ug/l	91
51) 4-Methyl-2-Pentanone	8.574	43	996137	268.938	ug/l	98
52) Toluene	8.720	92	307873	49.321	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	186681	49.587	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	201631	49.989	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	125024	50.994	ug/l	100
56) Ethyl methacrylate	9.116	69	200873	50.593	ug/l	95
57) 1,3-Dichloropropane	9.305	76	223711	50.334	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	537590	266.159	ug/l	99
59) 2-Hexanone	9.433	43	737938	264.547	ug/l	97
60) Dibromochloromethane	9.518	129	118984	50.912	ug/l	99
61) 1,2-Dibromoethane	9.610	107	130575	50.549	ug/l	100
64) Tetrachloroethene	9.275	164	97131	47.913	ug/l	95
65) Chlorobenzene	10.079	112	316282	48.118	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	114081	49.084	ug/l	98
67) Ethyl Benzene	10.195	91	609453	49.300	ug/l	97
68) m/p-Xylenes	10.299	106	450096	98.500	ug/l	94
69) o-Xylene	10.640	106	224429	49.495	ug/l	95
70) Styrene	10.652	104	372018	50.906	ug/l	97
71) Bromoform	10.799	173	72620	47.488	ug/l #	100
73) Isopropylbenzene	10.963	105	599460	49.054	ug/l	98
74) N-amyl acetate	10.841	43	270206	47.422	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	194965	49.181	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	168213m	47.420	ug/l	
77) Bromobenzene	11.195	156	132052	47.608	ug/l	91
78) n-propylbenzene	11.305	91	710550	49.463	ug/l	98
79) 2-Chlorotoluene	11.366	91	434549	48.316	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	510539	49.154	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	50408	45.797	ug/l #	85
82) 4-Chlorotoluene	11.451	91	502394	48.504	ug/l	97
83) tert-Butylbenzene	11.713	119	486993	48.236	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	514419	49.326	ug/l	96
85) sec-Butylbenzene	11.890	105	626653	49.435	ug/l	98
86) p-Isopropyltoluene	12.006	119	516308	49.543	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	249238	47.301	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	251994	47.361	ug/l	99
89) n-Butylbenzene	12.329	91	466968	49.257	ug/l	98
90) Hexachloroethane	12.536	117	76297	48.303	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	247275	47.923	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	43086	48.809	ug/l	88
93) 1,2,4-Trichlorobenzene	13.585	180	143874	46.309	ug/l	98
94) Hexachlorobutadiene	13.725	225	56023	45.430	ug/l	99
95) Naphthalene	13.774	128	523906	49.241	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	143937	47.107	ug/l	98

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

