

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031423\
 Data File : VX034476.D
 Acq On : 14 Mar 2023 19:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/15/2023
 Supervised By : Mahesh Dadoda 03/15/2023

Quant Time: Mar 15 06:52:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	266531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	466438	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	440240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	226957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	201507	51.968	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.940%			
35) Dibromofluoromethane	5.385	113	155528	50.502	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.000%			
50) Toluene-d8	8.646	98	587172	51.074	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.140%			
62) 4-Bromofluorobenzene	11.079	95	240156	51.716	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.440%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	109025	43.878	ug/l	99
3) Chloromethane	1.306	50	170638	45.210	ug/l	100
4) Vinyl Chloride	1.373	62	159175	47.047	ug/l	97
5) Bromomethane	1.599	94	84687	49.610	ug/l	100
6) Chloroethane	1.678	64	100580	51.632	ug/l	99
7) Trichlorofluoromethane	1.885	101	246667	48.521	ug/l	98
8) Diethyl Ether	2.129	74	99289	53.502	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.324	101	127756	43.122	ug/l	99
10) Methyl Iodide	2.452	142	198375	51.000	ug/l	98
11) Tert butyl alcohol	2.958	59	192287	238.139	ug/l	100
12) 1,1-Dichloroethene	2.318	96	129562	44.404	ug/l	98
13) Acrolein	2.233	56	172145	269.492	ug/l	100
14) Allyl chloride	2.660	41	269002	45.474	ug/l	99
15) Acrylonitrile	3.062	53	452792	259.590	ug/l	99
16) Acetone	2.379	43	381314	208.769	ug/l	100
17) Carbon Disulfide	2.507	76	329199	40.091	ug/l	99
18) Methyl Acetate	2.702	43	300458	50.344	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	521033	49.873	ug/l	98
20) Methylene Chloride	2.788	84	162590	45.867	ug/l	99
21) trans-1,2-Dichloroethene	3.086	96	148896	48.051	ug/l	99
22) Diisopropyl ether	3.757	45	577604	51.213	ug/l	97
23) Vinyl Acetate	3.720	43	2207451	257.170	ug/l	99
24) 1,1-Dichloroethane	3.611	63	293118	48.347	ug/l	99
25) 2-Butanone	4.550	43	647413	247.723	ug/l	100
26) 2,2-Dichloropropane	4.476	77	229617	43.571	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	180848	48.481	ug/l	99
28) Bromochloromethane	4.897	49	143087	50.758	ug/l	99
29) Tetrahydrofuran	5.001	42	425379	263.776	ug/l	99
30) Chloroform	5.092	83	302438	50.890	ug/l	98
31) Cyclohexane	5.470	56	237467	43.668	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	251721	47.846	ug/l	99
36) 1,1-Dichloropropene	5.690	75	208298	44.036	ug/l	98
37) Ethyl Acetate	4.708	43	253279	49.014	ug/l	99
38) Carbon Tetrachloride	5.677	117	210250	44.681	ug/l	98
39) Methylcyclohexane	7.378	83	234381	41.405	ug/l	96
40) Benzene	6.037	78	656224	47.424	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	142644	50.369	ug/l	98
42) 1,2-Dichloroethane	6.086	62	252668	49.684	ug/l	99
43) Isopropyl Acetate	6.336	43	437589	49.986	ug/l	100
44) Trichloroethene	7.122	130	164259	45.687	ug/l	100
45) 1,2-Dichloropropane	7.427	63	176364	48.813	ug/l	99
46) Dibromomethane	7.580	93	121372	49.412	ug/l	98
47) Bromodichloromethane	7.823	83	235271	49.490	ug/l	98
48) Methyl methacrylate	7.689	41	208007	49.404	ug/l	98
49) 1,4-Dioxane	7.659	88	93959	1062.500	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	1334118	262.706	ug/l	99
52) Toluene	8.720	92	415588	48.511	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	266022	49.670	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	284672	49.129	ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	175327	51.569	ug/l	98
56) Ethyl methacrylate	9.116	69	285639	51.169	ug/l	98
57) 1,3-Dichloropropane	9.305	76	303071	50.156	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	697741	242.537	ug/l	100
59) 2-Hexanone	9.427	43	1030909	262.608	ug/l	100
60) Dibromochloromethane	9.518	129	183502	51.462	ug/l	98
61) 1,2-Dibromoethane	9.610	107	184368	50.252	ug/l	100
64) Tetrachloroethene	9.274	164	131938	44.615	ug/l	99
65) Chlorobenzene	10.079	112	448328	46.415	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	171391	48.718	ug/l	99
67) Ethyl Benzene	10.195	91	820329	47.439	ug/l	98
68) m/p-Xylenes	10.299	106	621107	93.503	ug/l	99
69) o-Xylene	10.640	106	313382	47.011	ug/l	98
70) Styrene	10.652	104	527345	49.032	ug/l	99
71) Bromoform	10.798	173	131118	48.419	ug/l	99
73) Isopropylbenzene	10.963	105	802843	45.769	ug/l	100
74) N-amyl acetate	10.841	43	413090	49.168	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	288709	49.324	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	236775m	45.436	ug/l	
77) Bromobenzene	11.201	156	197961	47.039	ug/l	99
78) n-propylbenzene	11.304	91	946919	46.743	ug/l	99
79) 2-Chlorotoluene	11.365	91	590406	47.190	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	692308	47.055	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	87146	45.240	ug/l	95
82) 4-Chlorotoluene	11.451	91	687210	47.686	ug/l	99
83) tert-Butylbenzene	11.713	119	690681	46.560	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	704992	46.885	ug/l	99
85) sec-Butylbenzene	11.890	105	817733	45.090	ug/l	99
86) p-Isopropyltoluene	12.006	119	699850	45.917	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	378825	45.941	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	379218	45.482	ug/l	99
89) n-Butylbenzene	12.335	91	611526	45.132	ug/l	98
90) Hexachloroethane	12.536	117	128371	45.517	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	374818	47.036	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	63197	47.521	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	220103	44.168	ug/l	99
94) Hexachlorobutadiene	13.725	225	80075	39.886	ug/l	99
95) Naphthalene	13.774	128	790614	47.312	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	220264	45.218	ug/l	99

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

