

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021223\
 Data File : VX034107.D
 Acq On : 10 Feb 2023 11:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/10/2023
 Supervised By : Mahesh Dadoda 02/13/2023

Quant Time: Feb 10 13:15:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020423W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 03 23:25:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	131155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	173998	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62261	49.242	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.480%		
35) Dibromofluoromethane	5.379	113	55333	49.968	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.940%		
50) Toluene-d8	8.647	98	192121	48.153	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.300%		
62) 4-Bromofluorobenzene	11.079	95	72181	50.654	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	54799	51.398	ug/l	100
3) Chloromethane	1.294	50	44895	44.621	ug/l	98
4) Vinyl Chloride	1.374	62	45204	42.901	ug/l	98
5) Bromomethane	1.599	94	27532	50.742	ug/l	100
6) Chloroethane	1.685	64	25532	43.819	ug/l	99
7) Trichlorofluoromethane	1.886	101	84733	50.542	ug/l	96
8) Diethyl Ether	2.130	74	25529	44.273	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.331	101	54067	48.304	ug/l	90
10) Methyl Iodide	2.453	142	71512	45.097	ug/l	96
11) Tert butyl alcohol	2.947	59	48100	271.528	ug/l #	83
12) 1,1-Dichloroethene	2.319	96	49435	46.035	ug/l	91
13) Acrolein	2.233	56	53264	224.177	ug/l	98
14) Allyl chloride	2.660	41	81521	46.559	ug/l	92
15) Acrylonitrile	3.056	53	132493	233.163	ug/l	98
16) Acetone	2.374	43	137453	257.387	ug/l	98
17) Carbon Disulfide	2.514	76	116574	42.786	ug/l	97
18) Methyl Acetate	2.697	43	81213	48.888	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	167538	50.593	ug/l	98
20) Methylene Chloride	2.788	84	55215	45.194	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	55047	47.064	ug/l	93
22) Diisopropyl ether	3.757	45	159834	46.259	ug/l	90
23) Vinyl Acetate	3.715	43	623995	237.161	ug/l	97
24) 1,1-Dichloroethane	3.605	63	96169	48.287	ug/l	99
25) 2-Butanone	4.544	43	184849	237.712	ug/l	95
26) 2,2-Dichloropropane	4.471	77	74508	51.286	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	64555	47.983	ug/l	96
28) Bromochloromethane	4.891	49	40101	45.797	ug/l	85
29) Tetrahydrofuran	4.995	42	113517	229.525	ug/l	93
30) Chloroform	5.086	83	102295	49.284	ug/l	100
31) Cyclohexane	5.464	56	83812	45.517	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	93919	52.541	ug/l	97
36) 1,1-Dichloropropene	5.690	75	75531	49.748	ug/l	98
37) Ethyl Acetate	4.702	43	68694	48.569	ug/l	97
38) Carbon Tetrachloride	5.678	117	86843	53.630	ug/l	98
39) Methylcyclohexane	7.379	83	92652	48.479	ug/l	97
40) Benzene	6.038	78	214349	48.793	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	40410	50.769	ug/l	97
42) 1,2-Dichloroethane	6.086	62	80589	53.986	ug/l	99
43) Isopropyl Acetate	6.336	43	113315	51.372	ug/l	98
44) Trichloroethene	7.117	130	67692	50.137	ug/l	96
45) 1,2-Dichloropropane	7.428	63	53475	49.303	ug/l	99
46) Dibromomethane	7.580	93	40052	51.543	ug/l	94
47) Bromodichloromethane	7.818	83	78001	52.974	ug/l	98
48) Methyl methacrylate	7.690	41	58795	51.626	ug/l	94
49) 1,4-Dioxane	7.659	88	25093	1144.665	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	350760	253.517	ug/l	97
52) Toluene	8.714	92	141199	49.596	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	81538	55.086	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	88969	52.830	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	57843	50.866	ug/l	98
56) Ethyl methacrylate	9.116	69	82965	52.237	ug/l	96
57) 1,3-Dichloropropane	9.305	76	92746	49.927	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	179073	242.329	ug/l	96
59) 2-Hexanone	9.427	43	262067	258.828	ug/l	97
60) Dibromochloromethane	9.519	129	69078	54.810	ug/l	98
61) 1,2-Dibromoethane	9.610	107	62773	51.336	ug/l	98
64) Tetrachloroethene	9.275	164	62606	48.925	ug/l	97
65) Chlorobenzene	10.079	112	156852	49.558	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	63646	53.215	ug/l	98
67) Ethyl Benzene	10.195	91	272908	50.944	ug/l	100
68) m/p-Xylenes	10.299	106	215834	100.794	ug/l	98
69) o-Xylene	10.640	106	106357	51.716	ug/l	98
70) Styrene	10.653	104	178825	52.795	ug/l	99
71) Bromoform	10.799	173	54926	56.300	ug/l #	100
73) Isopropylbenzene	10.963	105	280310	48.740	ug/l	100
74) N-amyl acetate	10.842	43	94255	49.749	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	81880	47.318	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	67904m	45.956	ug/l	
77) Bromobenzene	11.195	156	77528	48.614	ug/l	96
78) n-propylbenzene	11.305	91	311904	49.050	ug/l	99
79) 2-Chlorotoluene	11.366	91	188633	48.992	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	238789	49.882	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	24036	50.096	ug/l	99
82) 4-Chlorotoluene	11.457	91	216982	49.827	ug/l	99
83) tert-Butylbenzene	11.713	119	245549	49.649	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	239526	50.084	ug/l	99
85) sec-Butylbenzene	11.890	105	295044	49.861	ug/l	99
86) p-Isopropyltoluene	12.012	119	263365	50.746	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	144937	49.530	ug/l	99
88) 1,4-Dichlorobenzene	12.043	146	145130	48.850	ug/l	99
89) n-Butylbenzene	12.329	91	209468	51.479	ug/l	99
90) Hexachloroethane	12.536	117	43799	53.608	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	141133	49.453	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18166	53.387	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	103666	51.410	ug/l	99
94) Hexachlorobutadiene	13.725	225	50710	50.806	ug/l	100
95) Naphthalene	13.774	128	285647	51.559	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	101894	50.305	ug/l	99

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

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