

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080823\
 Data File : VX036852.D
 Acq On : 08 Aug 2023 10:20
 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 08/09/2023
 Supervised By : Semsettin Yesilyurt 08/09/2023

Quant Time: Aug 09 04:09:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	145249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	251345	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	103813	48.304	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.600%		
35) Dibromofluoromethane	5.385	113	84742	49.052	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.100%		
50) Toluene-d8	8.647	98	275845	45.025	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.060%#		
62) 4-Bromofluorobenzene	11.079	95	114196	49.405	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.820%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	90829	47.337	ug/l	98
3) Chloromethane	1.300	50	79709	45.673	ug/l	99
4) Vinyl Chloride	1.374	62	84777	47.712	ug/l	99
5) Bromomethane	1.599	94	73289	69.088	ug/l	98
6) Chloroethane	1.678	64	53221	61.608	ug/l	100
7) Trichlorofluoromethane	1.886	101	144680	52.727	ug/l	98
8) Diethyl Ether	2.136	74	56756	53.463	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.325	101	81006	49.138	ug/l	98
10) Methyl Iodide	2.453	142	102874	60.080	ug/l	94
11) Tert butyl alcohol	2.965	59	130310	256.110	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	78395	48.201	ug/l	85
13) Acrolein	2.239	56	105314	362.684	ug/l	99
14) Allyl chloride	2.660	41	140618	43.906	ug/l #	95
15) Acrylonitrile	3.062	53	257437	251.593	ug/l	99
16) Acetone	2.380	43	224921	252.203	ug/l	92
17) Carbon Disulfide	2.508	76	206182	45.932	ug/l	100
18) Methyl Acetate	2.703	43	183731	48.972	ug/l	91
19) Methyl tert-butyl Ether	3.117	73	323502	52.930	ug/l	98
20) Methylene Chloride	2.788	84	96477	48.642	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	89630	49.308	ug/l	92
22) Diisopropyl ether	3.757	45	283803	46.671	ug/l #	95
23) Vinyl Acetate	3.721	43	1140866	244.582	ug/l #	94
24) 1,1-Dichloroethane	3.605	63	165762	48.619	ug/l	98
25) 2-Butanone	4.556	43	358149	247.522	ug/l	91
26) 2,2-Dichloropropane	4.477	77	147669	45.966	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	110145	51.016	ug/l	91
28) Bromochloromethane	4.897	49	76946	46.665	ug/l	85
29) Tetrahydrofuran	5.001	42	227646	244.029	ug/l	88
30) Chloroform	5.092	83	183358	52.567	ug/l	96
31) Cyclohexane	5.470	56	130061	43.708	ug/l	91
32) 1,1,1-Trichloroethane	5.385	97	157441	49.261	ug/l	98
36) 1,1-Dichloropropene	5.690	75	124578	48.380	ug/l	98
37) Ethyl Acetate	4.714	43	141068	48.402	ug/l	95
38) Carbon Tetrachloride	5.678	117	138056	50.430	ug/l	98
39) Methylcyclohexane	7.379	83	135811	42.416	ug/l	91
40) Benzene	6.037	78	370459	49.449	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	76022	48.770	ug/l	91
42) 1,2-Dichloroethane	6.086	62	150214	54.840	ug/l	97
43) Isopropyl Acetate	6.336	43	237349	47.310	ug/l #	94
44) Trichloroethene	7.123	130	100577	51.360	ug/l	97
45) 1,2-Dichloropropane	7.427	63	96562	48.275	ug/l	98
46) Dibromomethane	7.580	93	75619	54.018	ug/l	96
47) Bromodichloromethane	7.818	83	149166	51.911	ug/l	96
48) Methyl methacrylate	7.690	41	113612	48.695	ug/l #	88
49) 1,4-Dioxane	7.659	88	52934	1123.066	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	687783	247.731	ug/l	94
52) Toluene	8.720	92	238241	50.752	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	164769	50.733	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	172191	50.244	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	102799	52.096	ug/l	98
56) Ethyl methacrylate	9.116	69	165751	51.584	ug/l	92
57) 1,3-Dichloropropane	9.305	76	172815	52.581	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	374444	236.505	ug/l	95
59) 2-Hexanone	9.427	43	519654	252.199	ug/l	92
60) Dibromochloromethane	9.518	129	117192	54.034	ug/l	100
61) 1,2-Dibromoethane	9.610	107	112886	55.198	ug/l	99
64) Tetrachloroethene	9.275	164	87985	51.719	ug/l	99
65) Chlorobenzene	10.079	112	257981	51.314	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	101552	52.260	ug/l	99
67) Ethyl Benzene	10.195	91	453538	49.381	ug/l	98
68) m/p-Xylenes	10.299	106	348059	101.570	ug/l	98
69) o-Xylene	10.640	106	174247	50.942	ug/l	99
70) Styrene	10.652	104	296308	52.505	ug/l	98
71) Bromoform	10.799	173	84891	53.967	ug/l #	98
73) Isopropylbenzene	10.963	105	438031	45.379	ug/l	98
74) N-amyl acetate	10.841	43	199510	44.323	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	157590	48.337	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	135311m	49.322	ug/l	
77) Bromobenzene	11.195	156	109127	49.643	ug/l	94
78) n-propylbenzene	11.305	91	502291	44.994	ug/l	100
79) 2-Chlorotoluene	11.366	91	313470	46.340	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	373461	46.248	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	54651	45.152	ug/l	87
82) 4-Chlorotoluene	11.451	91	365775	47.457	ug/l	99
83) tert-Butylbenzene	11.713	119	352792	44.471	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	380243	47.084	ug/l	97
85) sec-Butylbenzene	11.890	105	425260	42.985	ug/l	99
86) p-Isopropyltoluene	12.006	119	363631	44.669	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	203483	49.978	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	205308	50.812	ug/l	99
89) n-Butylbenzene	12.329	91	312567	42.892	ug/l	99
90) Hexachloroethane	12.536	117	67765	41.062	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	203942	51.908	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	38440	50.739	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	122651	50.670	ug/l	96
94) Hexachlorobutadiene	13.725	225	45129	45.065	ug/l	98
95) Naphthalene	13.774	128	456933	54.170	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	122264	51.248	ug/l	98

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

