

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030723\
 Data File : VX034371.D
 Acq On : 07 Mar 2023 17:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/08/2023
 Supervised By : Mahesh Dadoda 03/08/2023

Quant Time: Mar 08 01:02:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	263426	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	439866	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	400328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	210167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	164544	46.380	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.760%		
35) Dibromofluoromethane	5.379	113	137251	47.924	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.840%		
50) Toluene-d8	8.647	98	503739	48.990	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.980%		
62) 4-Bromofluorobenzene	11.079	95	210478	53.514	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	116640	51.241	ug/l	100
3) Chloromethane	1.301	50	163120	49.797	ug/l	100
4) Vinyl Chloride	1.374	62	166313	55.750	ug/l	99
5) Bromomethane	1.599	94	84193	78.160	ug/l	98
6) Chloroethane	1.685	64	94820	63.224	ug/l	98
7) Trichlorofluoromethane	1.886	101	256464	63.544	ug/l	99
8) Diethyl Ether	2.130	74	92133	56.663	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	144735	50.921	ug/l	94
10) Methyl Iodide	2.453	142	175368	50.674	ug/l	95
11) Tert butyl alcohol	2.953	59	174944	220.473	ug/l #	83
12) 1,1-Dichloroethene	2.319	96	137945	48.415	ug/l	94
13) Acrolein	2.233	56	97840	270.116	ug/l	100
14) Allyl chloride	2.660	41	274522	45.421	ug/l	91
15) Acrylonitrile	3.056	53	425609	245.871	ug/l	99
16) Acetone	2.374	43	397861	217.400	ug/l	94
17) Carbon Disulfide	2.508	76	362849	44.294	ug/l	99
18) Methyl Acetate	2.697	43	283924	50.139	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	502102	49.930	ug/l	97
20) Methylene Chloride	2.788	84	157034	47.622	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	151381	50.704	ug/l	97
22) Diisopropyl ether	3.758	45	562947	53.129	ug/l	92
23) Vinyl Acetate	3.715	43	2188707	257.820	ug/l	100
24) 1,1-Dichloroethane	3.605	63	291752	50.156	ug/l	99
25) 2-Butanone	4.544	43	628500	237.350	ug/l	99
26) 2,2-Dichloropropane	4.471	77	257191	48.808	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	180906	51.169	ug/l	95
28) Bromochloromethane	4.891	49	120170	46.310	ug/l	87
29) Tetrahydrofuran	4.995	42	400150	247.712	ug/l	99
30) Chloroform	5.087	83	294234	52.677	ug/l	99
31) Cyclohexane	5.465	56	267423	50.488	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	257684	51.464	ug/l	98
36) 1,1-Dichloropropene	5.684	75	221324	52.254	ug/l	98
37) Ethyl Acetate	4.709	43	239189	50.530	ug/l	99
38) Carbon Tetrachloride	5.672	117	223249	51.222	ug/l	98
39) Methylcyclohexane	7.373	83	273672	50.209	ug/l	97
40) Benzene	6.032	78	650738	51.844	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	137685	52.206	ug/l	99
42) 1,2-Dichloroethane	6.080	62	235664	53.384	ug/l	98
43) Isopropyl Acetate	6.330	43	419091	50.171	ug/l	99
44) Trichloroethene	7.123	130	169981	52.772	ug/l	94
45) 1,2-Dichloropropane	7.428	63	173119	51.810	ug/l	100
46) Dibromomethane	7.574	93	114638	52.131	ug/l	87
47) Bromodichloromethane	7.818	83	233655	51.775	ug/l	97
48) Methyl methacrylate	7.684	41	201295	50.772	ug/l	97
49) 1,4-Dioxane	7.653	88	81323	1028.358	ug/l #	99
51) 4-Methyl-2-Pentanone	8.568	43	1256478	273.400	ug/l	99
52) Toluene	8.714	92	418535	55.031	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	272851	52.525	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	283213	50.927	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	168885	55.014	ug/l	98
56) Ethyl methacrylate	9.110	69	277736	53.480	ug/l	94
57) 1,3-Dichloropropane	9.305	76	290820	54.449	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	592882	263.543	ug/l	95
59) 2-Hexanone	9.427	43	950271	271.317	ug/l	98
60) Dibromochloromethane	9.519	129	183921	54.221	ug/l	100
61) 1,2-Dibromoethane	9.604	107	176558	54.381	ug/l	99
64) Tetrachloroethene	9.269	164	143404	50.755	ug/l	91
65) Chlorobenzene	10.080	112	447116	53.580	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	167736	51.923	ug/l	99
67) Ethyl Benzene	10.189	91	818522	54.598	ug/l	98
68) m/p-Xylenes	10.299	106	625522	109.029	ug/l	94
69) o-Xylene	10.640	106	310539	54.369	ug/l	93
70) Styrene	10.653	104	517838	55.746	ug/l	95
71) Bromoform	10.799	173	133718	50.710	ug/l #	98
73) Isopropylbenzene	10.964	105	814273	50.837	ug/l	99
74) N-amyl acetate	10.842	43	398903	49.572	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.214	83	268433	48.999	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	225340m	42.610	ug/l	
77) Bromobenzene	11.195	156	192579	49.961	ug/l	81
78) n-propylbenzene	11.305	91	971540	52.153	ug/l	97
79) 2-Chlorotoluene	11.360	91	579233	50.709	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	688016	51.090	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	92035	44.707	ug/l	97
82) 4-Chlorotoluene	11.451	91	674163	51.819	ug/l	95
83) tert-Butylbenzene	11.713	119	683614	49.565	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	696412	51.146	ug/l	97
85) sec-Butylbenzene	11.890	105	865267	51.661	ug/l	97
86) p-Isopropyltoluene	12.006	119	718075	51.804	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	374697	51.833	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	378022	51.845	ug/l	97
89) n-Butylbenzene	12.329	91	650562	52.695	ug/l	98
90) Hexachloroethane	12.536	117	137564	47.465	ug/l	79
91) 1,2-Dichlorobenzene	12.335	146	359491	50.827	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.939	75	59626	45.642	ug/l	73
93) 1,2,4-Trichlorobenzene	13.585	180	228899	50.408	ug/l	98
94) Hexachlorobutadiene	13.725	225	91892	48.816	ug/l	98
95) Naphthalene	13.774	128	758112	49.560	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	224444	49.786	ug/l	98

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

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