

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051823\
 Data File : VX035746.D
 Acq On : 18 May 2023 16:46
 Operator : JC/MD
 Sample : 02213-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2023

Quant Time: May 19 06:26:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 19 06:25:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/19/2023
 Supervised By : Mahesh Dadoda 05/19/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	169206	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	322027	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	282332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	170279	57.685	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.380%			
35) Dibromofluoromethane	5.385	113	108922	50.154	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.300%			
50) Toluene-d8	8.647	98	391882	48.845	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.700%			
62) 4-Bromofluorobenzene	11.079	95	153866	47.631	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.260%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	1426	0.647	ug/l	73
3) Chloromethane	1.294	50	2039	0.762	ug/l	90
4) Vinyl Chloride	1.374	62	1610	0.709	ug/l	97
5) Bromomethane	1.618	94	1242	1.010	ug/l	89
6) Chloroethane	1.691	64	1142	0.829	ug/l	# 63
7) Trichlorofluoromethane	1.886	101	2368	0.709	ug/l	88
8) Diethyl Ether	2.136	74	1122	0.873	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.331	101	1234	0.622	ug/l	97
10) Methyl Iodide	2.453	142	1220	0.688	ug/l	94
11) Tert butyl alcohol	3.026	59	1877m	3.604	ug/l	
12) 1,1-Dichloroethene	2.319	96	1351	0.717	ug/l	83
13) Acrolein	2.246	56	2193	3.548	ug/l	# 81
14) Allyl chloride	2.666	41	2755	0.682	ug/l	97
15) Acrylonitrile	3.075	53	4592	4.004	ug/l	100
16) Acetone	2.398	43	5681	4.478	ug/l	91
17) Carbon Disulfide	2.520	76	2657	0.584	ug/l	# 79
18) Methyl Acetate	2.709	43	3483	0.744	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	5919	0.789	ug/l	92
20) Methylene Chloride	2.794	84	2630	1.144	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	1554	0.753	ug/l	84
22) Diisopropyl ether	3.764	45	5815	0.736	ug/l	94
23) Vinyl Acetate	3.721	43	18437	3.297	ug/l	99
24) 1,1-Dichloroethane	3.611	63	3036	0.718	ug/l	# 90
25) 2-Butanone	4.574	43	7139	4.065	ug/l	99
26) 2,2-Dichloropropane	4.477	77	2009	0.561	ug/l	89
27) cis-1,2-Dichloroethene	4.495	96	1808	0.728	ug/l	92
28) Bromochloromethane	4.891	49	1497	0.787	ug/l	# 87
29) Tetrahydrofuran	5.026	42	4448	4.029	ug/l	# 84
30) Chloroform	5.086	83	3122	0.721	ug/l	92
31) Cyclohexane	5.464	56	2123	0.569	ug/l	# 88
32) 1,1,1-Trichloroethane	5.385	97	2371	0.629	ug/l	# 48
36) 1,1-Dichloropropene	5.690	75	2193	0.640	ug/l	97
37) Ethyl Acetate	4.727	43	2803	0.784	ug/l	# 82
38) Carbon Tetrachloride	5.672	117	1015	0.313	ug/l	# 81
39) Methylcyclohexane	7.385	83	2253	0.558	ug/l	# 91
40) Benzene	6.038	78	6356	0.663	ug/l	# 79

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41) Methacrylonitrile	4.922	41	1443	0.680	ug/l #	79
42) 1,2-Dichloroethane	6.092	62	3157	0.765	ug/l	84
43) Isopropyl Acetate	6.342	43	4368	0.701	ug/l #	93
44) Trichloroethene	7.123	130	1520	0.625	ug/l	100
45) 1,2-Dichloropropane	7.434	63	1793	0.706	ug/l	98
46) Dibromomethane	7.586	93	1280	0.736	ug/l #	83
47) Bromodichloromethane	7.818	83	1738	0.517	ug/l #	95
48) Methyl methacrylate	7.696	41	2099	0.682	ug/l	89
49) 1,4-Dioxane	7.714	88	981m	14.838	ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	12289	3.421	ug/l	100
52) Toluene	8.720	92	3898	0.644	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	1804	0.494	ug/l #	86
54) cis-1,3-Dichloropropene	8.366	75	2056	0.526	ug/l #	83
55) 1,1,2-Trichloroethane	9.153	97	1578	0.664	ug/l #	85
56) Ethyl methacrylate	9.116	69	2217	0.576	ug/l	92
57) 1,3-Dichloropropane	9.311	76	3096	0.718	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.244	63	6537	3.337	ug/l	97
59) 2-Hexanone	9.433	43	8974	3.317	ug/l	94
60) Dibromochloromethane	9.519	129	1172	0.517	ug/l	94
61) 1,2-Dibromoethane	9.610	107	1425	0.569	ug/l	98
64) Tetrachloroethene	9.275	164	1402	0.738	ug/l #	87
65) Chlorobenzene	10.079	112	4333	0.703	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	1157	0.531	ug/l #	64
67) Ethyl Benzene	10.195	91	7222	0.623	ug/l #	80
68) m/p-Xylenes	10.299	106	5334	1.245	ug/l	89
69) o-Xylene	10.640	106	2624	0.617	ug/l	85
70) Styrene	10.659	104	4153	0.606	ug/l	97
71) Bromoform	10.793	173	641	0.447	ug/l #	99
73) Isopropylbenzene	10.963	105	6474	0.619	ug/l	95
74) N-amyl acetate	10.842	43	3001	0.615	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	2383	0.702	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	2431m	0.800	ug/l	
77) Bromobenzene	11.201	156	1627	0.685	ug/l	92
78) n-propylbenzene	11.305	91	7517	0.611	ug/l	100
79) 2-Chlorotoluene	11.366	91	5268	0.684	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	5450	0.613	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	438m	0.465	ug/l	
82) 4-Chlorotoluene	11.451	91	6214	0.700	ug/l	93
83) tert-Butylbenzene	11.713	119	5000	0.578	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	5524	0.618	ug/l	95
85) sec-Butylbenzene	11.890	105	6157	0.567	ug/l	98
86) p-Isopropyltoluene	12.006	119	4895	0.548	ug/l	85
87) 1,3-Dichlorobenzene	11.969	146	2854	0.632	ug/l	89
88) 1,4-Dichlorobenzene	12.043	146	3187m	0.699	ug/l	
89) n-Butylbenzene	12.329	91	4094	0.504	ug/l	97
90) Hexachloroethane	12.536	117	603	0.446	ug/l	77
91) 1,2-Dichlorobenzene	12.335	146	2985	0.675	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	403	0.533	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	1832	0.688	ug/l	89
94) Hexachlorobutadiene	13.725	225	619	0.586	ug/l	89
95) Naphthalene	13.774	128	5549	0.609	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.957	180	1604	0.613	ug/l	94

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

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