

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051823\
 Data File : VX035748.D
 Acq On : 18 May 2023 17:32
 Operator : JC/MD
 Sample : 02213-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: May 19 06:27:24 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	190644	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	351569	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	306357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	134759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	149451	44.936	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.880%		
35) Dibromofluoromethane	5.385	113	97095	40.952	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	81.900%		
50) Toluene-d8	8.647	98	350431	40.008	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	80.020%#		
62) 4-Bromofluorobenzene	11.079	95	137662	39.034	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	78.060%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	524	0.211	ug/l	84
3) Chloromethane	1.294	50	950	0.315	ug/l	90
4) Vinyl Chloride	1.374	62	507	0.198	ug/l	# 58
5) Bromomethane	1.618	94	589	0.425	ug/l	82
6) Chloroethane	1.697	64	583	0.376	ug/l	93
7) Trichlorofluoromethane	1.886	101	923	0.245	ug/l	# 77
8) Diethyl Ether	2.136	74	401	0.277	ug/l	# 48
9) 1,1,2-Trichlorotrifluo...	2.337	101	542	0.243	ug/l	97
10) Methyl Iodide	2.453	142	568	0.284	ug/l	# 88
11) Tert butyl alcohol	3.038	59	343m	0.585	ug/l	
12) 1,1-Dichloroethene	2.325	96	552	0.260	ug/l	# 67
13) Acrolein	2.246	56	681	0.978	ug/l	98
14) Allyl chloride	2.666	41	1150	0.253	ug/l	# 84
15) Acrylonitrile	3.081	53	1636	1.266	ug/l	99
16) Acetone	2.410	43	3482	2.436	ug/l	95
17) Carbon Disulfide	2.514	76	1153	0.225	ug/l	# 94
18) Methyl Acetate	2.709	43	1642	0.311	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	2018	0.239	ug/l	# 81
20) Methylene Chloride	2.788	84	1960	0.757	ug/l	# 78
21) trans-1,2-Dichloroethene	3.093	96	655	0.282	ug/l	# 77
22) Diisopropyl ether	3.751	45	2174	0.244	ug/l	# 55
23) Vinyl Acetate	3.727	43	6493	1.030	ug/l	# 86
24) 1,1-Dichloroethane	3.605	63	970	0.204	ug/l	# 81
25) 2-Butanone	4.593	43	2761	1.395	ug/l	# 88
26) 2,2-Dichloropropane	4.477	77	757	0.188	ug/l	80
27) cis-1,2-Dichloroethene	4.495	96	726	0.260	ug/l	87
28) Bromochloromethane	4.891	49	320	0.149	ug/l	# 48
29) Tetrahydrofuran	5.038	42	1628	1.309	ug/l	# 70
30) Chloroform	5.099	83	1273	0.261	ug/l	95
31) Cyclohexane	5.477	56	783m	0.186	ug/l	
32) 1,1,1-Trichloroethane	5.385	97	906	0.213	ug/l	# 23
36) 1,1-Dichloropropene	5.708	75	932	0.249	ug/l	# 70
37) Ethyl Acetate	4.721	43	1128	0.289	ug/l	# 79
38) Carbon Tetrachloride	5.684	117	761	0.215	ug/l	# 45
39) Methylcyclohexane	7.391	83	845	0.192	ug/l	# 80
40) Benzene	6.044	78	2508	0.240	ug/l	# 88

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41) Methacrylonitrile	4.934	41	583m	0.252	ug/l	
42) 1,2-Dichloroethane	6.086	62	1399	0.311	ug/l #	75
43) Isopropyl Acetate	6.342	43	1524	0.224	ug/l #	74
44) Trichloroethene	7.129	130	632	0.238	ug/l	87
45) 1,2-Dichloropropane	7.434	63	598	0.216	ug/l #	79
46) Dibromomethane	7.580	93	537	0.283	ug/l #	78
47) Bromodichloromethane	7.830	83	484	0.132	ug/l #	94
48) Methyl methacrylate	7.696	41	829	0.247	ug/l #	88
49) 1,4-Dioxane	7.738	88	183	2.535	ug/l #	66
51) 4-Methyl-2-Pentanone	8.574	43	4368	1.114	ug/l	92
52) Toluene	8.714	92	1523	0.230	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	728	0.183	ug/l #	72
54) cis-1,3-Dichloropropene	8.372	75	864	0.202	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	534	0.206	ug/l #	82
56) Ethyl methacrylate	9.122	69	941	0.224	ug/l	90
57) 1,3-Dichloropropane	9.305	76	1015	0.216	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.244	63	1762	0.824	ug/l	99
59) 2-Hexanone	9.433	43	3065	1.038	ug/l	92
60) Dibromochloromethane	9.525	129	360	0.145	ug/l	79
61) 1,2-Dibromoethane	9.616	107	610	0.223	ug/l	87
64) Tetrachloroethene	9.275	164	410	0.199	ug/l #	76
65) Chlorobenzene	10.079	112	1776	0.266	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	472	0.200	ug/l #	60
67) Ethyl Benzene	10.189	91	2559	0.203	ug/l #	85
68) m/p-Xylenes	10.299	106	2068	0.445	ug/l	95
69) o-Xylene	10.640	106	992	0.215	ug/l	82
70) Styrene	10.653	104	1681	0.226	ug/l	91
71) Bromoform	10.799	173	191	0.123	ug/l #	29
73) Isopropylbenzene	10.963	105	2591	0.228	ug/l	91
74) N-amyl acetate	10.842	43	1055	0.199	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	11.207	83	884	0.240	ug/l	93
76) 1,2,3-Trichloropropane	11.238	75	980m	0.297	ug/l	
77) Bromobenzene	11.195	156	679	0.263	ug/l	95
78) n-propylbenzene	11.305	91	2960	0.222	ug/l	93
79) 2-Chlorotoluene	11.366	91	1754	0.210	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	1834	0.190	ug/l	98
82) 4-Chlorotoluene	11.451	91	2270	0.236	ug/l	93
83) tert-Butylbenzene	11.707	119	2141	0.228	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	2101	0.217	ug/l	91
85) sec-Butylbenzene	11.890	105	2290	0.194	ug/l	99
86) p-Isopropyltoluene	12.012	119	1845	0.191	ug/l #	62
87) 1,3-Dichlorobenzene	11.969	146	1293	0.264	ug/l	91
88) 1,4-Dichlorobenzene	12.036	146	1525m	0.308	ug/l	
89) n-Butylbenzene	12.329	91	1717	0.195	ug/l	98
90) Hexachloroethane	12.536	117	194	0.132	ug/l	75
91) 1,2-Dichlorobenzene	12.335	146	1234	0.257	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	12.945	75	126	0.154	ug/l #	45
93) 1,2,4-Trichlorobenzene	13.591	180	671	0.232	ug/l	85
94) Hexachlorobutadiene	13.713	225	298	0.260	ug/l	90
95) Naphthalene	13.774	128	2010	0.203	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.969	180	836	0.294	ug/l	75

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

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