

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022223\
 Data File : VX034231.D
 Acq On : 22 Feb 2023 16:09
 Operator : JC/MD
 Sample : 01627-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Quant Time: Feb 23 03:20:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 23 03:17:23 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/23/2023
 Supervised By : Mahesh Dadoda 02/23/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	300465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	494498	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	430016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	200962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	178778	44.180	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.360%		
35) Dibromofluoromethane	5.385	113	153472	47.667	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.340%		
50) Toluene-d8	8.647	98	563091	48.712	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.420%		
62) 4-Bromofluorobenzene	11.079	95	199534	45.127	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	268	0.103	ug/l	96
3) Chloromethane	1.294	50	730	0.195	ug/l	95
4) Vinyl Chloride	1.374	62	580	0.170	ug/l #	85
5) Bromomethane	1.611	94	456	0.338	ug/l #	78
6) Chloroethane	1.691	64	359	0.210	ug/l #	80
7) Trichlorofluoromethane	1.886	101	794	0.172	ug/l	87
8) Diethyl Ether	2.130	74	270	0.146	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	2.331	101	433	0.134	ug/l #	92
10) Methyl Iodide	2.453	142	446	0.113	ug/l #	88
11) Tert butyl alcohol	2.953	59	3609	3.988	ug/l #	92
12) 1,1-Dichloroethene	2.318	96	431	0.133	ug/l	97
13) Acrolein	2.239	56	548	1.326	ug/l #	1
14) Allyl chloride	2.672	41	1006	0.146	ug/l	91
15) Acrylonitrile	3.068	53	1430	0.724	ug/l #	77
16) Acetone	2.379	43	2081	0.997	ug/l	92
17) Carbon Disulfide	2.520	76	1485	0.159	ug/l #	79
18) Methyl Acetate	2.703	43	1142	0.177	ug/l #	89
19) Methyl tert-butyl Ether	3.117	73	1720	0.150	ug/l	94
20) Methylene Chloride	2.788	84	1829	0.486	ug/l #	89
21) trans-1,2-Dichloroethene	3.093	96	627	0.184	ug/l #	62
22) Diisopropyl ether	3.769	45	1784	0.148	ug/l	94
23) Vinyl Acetate	3.739	43	5250	0.542	ug/l	96
24) 1,1-Dichloroethane	3.611	63	926	0.140	ug/l #	81
25) 2-Butanone	4.586	43	2786m	0.922	ug/l	
26) 2,2-Dichloropropane	4.464	77	867	0.144	ug/l	88
27) cis-1,2-Dichloroethene	4.501	96	493m	0.122	ug/l	
28) Bromochloromethane	4.928	49	299m	0.101	ug/l	
29) Tetrahydrofuran	5.038	42	1057	0.574	ug/l	98
30) Chloroform	5.098	83	1055	0.166	ug/l #	46
31) Cyclohexane	5.476	56	940	0.156	ug/l #	73
32) 1,1,1-Trichloroethane	5.385	97	833	0.146	ug/l #	23
36) 1,1-Dichloropropene	5.702	75	715	0.150	ug/l #	53
37) Ethyl Acetate	4.708	43	195	0.037	ug/l #	68
38) Carbon Tetrachloride	5.678	117	653m	0.133	ug/l	
39) Methylcyclohexane	7.379	83	946	0.154	ug/l #	75
40) Benzene	6.037	78	1800	0.128	ug/l #	89

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41) Methacrylonitrile	4.940	41	630m	0.212	ug/l	
42) 1,2-Dichloroethane	6.086	62	895	0.180	ug/l	79
43) Isopropyl Acetate	6.354	43	1786m	0.190	ug/l	
44) Trichloroethene	7.135	130	465	0.128	ug/l	63
45) 1,2-Dichloropropane	7.421	63	523	0.139	ug/l #	44
46) Dibromomethane	7.586	93	353	0.143	ug/l #	81
47) Bromodichloromethane	7.818	83	676	0.133	ug/l #	69
48) Methyl methacrylate	7.708	41	1140m	0.256	ug/l	
49) 1,4-Dioxane	7.726	88	177	1.991	ug/l #	14
51) 4-Methyl-2-Pentanone	8.580	43	3151	0.610	ug/l	95
52) Toluene	8.714	92	1185	0.139	ug/l	95
53) t-1,3-Dichloropropene	8.988	75	680	0.116	ug/l #	85
54) cis-1,3-Dichloropropene	8.372	75	684	0.109	ug/l #	80
55) 1,1,2-Trichloroethane	9.153	97	367	0.106	ug/l #	61
56) Ethyl methacrylate	9.128	69	801	0.137	ug/l #	75
57) 1,3-Dichloropropane	9.317	76	672	0.112	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.250	63	2469	0.976	ug/l #	86
59) 2-Hexanone	9.445	43	2085	0.530	ug/l	99
60) Dibromochloromethane	9.518	129	483	0.127	ug/l	80
61) 1,2-Dibromoethane	9.616	107	432	0.118	ug/l	81
64) Tetrachloroethene	9.268	164	404	0.133	ug/l #	64
65) Chlorobenzene	10.079	112	1503	0.168	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	10.159	131	418	0.120	ug/l #	66
67) Ethyl Benzene	10.195	91	2368	0.147	ug/l	97
68) m/p-Xylenes	10.305	106	1670	0.271	ug/l	92
69) o-Xylene	10.646	106	753	0.123	ug/l	63
70) Styrene	10.665	104	1460	0.146	ug/l	96
71) Bromoform	10.805	173	262	0.092	ug/l #	29
73) Isopropylbenzene	10.963	105	2250	0.147	ug/l	95
74) N-amyl acetate	10.854	43	1286	0.167	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	11.213	83	776	0.148	ug/l #	91
76) 1,2,3-Trichloropropane	11.238	75	671m	0.133	ug/l	
77) Bromobenzene	11.195	156	537	0.146	ug/l	69
78) n-propylbenzene	11.305	91	2194	0.123	ug/l	94
79) 2-Chlorotoluene	11.366	91	1644	0.151	ug/l	89
80) 1,3,5-Trimethylbenzene	11.457	105	1534	0.119	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	74m	0.038	ug/l	
82) 4-Chlorotoluene	11.463	91	1744	0.140	ug/l	97
83) tert-Butylbenzene	11.713	119	1629	0.124	ug/l	91
84) 1,2,4-Trimethylbenzene	11.750	105	1676	0.129	ug/l	99
85) sec-Butylbenzene	11.890	105	2269	0.142	ug/l	99
86) p-Isopropyltoluene	12.012	119	1810	0.137	ug/l #	59
87) 1,3-Dichlorobenzene	11.975	146	950	0.137	ug/l	91
88) 1,4-Dichlorobenzene	12.042	146	1170m	0.168	ug/l	
89) n-Butylbenzene	12.335	91	1526	0.129	ug/l	96
90) Hexachloroethane	12.542	117	319	0.115	ug/l	96
91) 1,2-Dichlorobenzene	12.341	146	895	0.132	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.951	75	103	0.082	ug/l	54
93) 1,2,4-Trichlorobenzene	13.591	180	549	0.126	ug/l	76
94) Hexachlorobutadiene	13.731	225	182	0.101	ug/l	84
95) Naphthalene	13.780	128	5183	0.354	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	627	0.145	ug/l	96

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

