

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011923\
 Data File : VU052746.D
 Acq On : 19 Jan 2023 19:31
 Operator : JC/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/20/2023
 Supervised By : Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 01:36:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U011923W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 20 01:35:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.369	168	207690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.244	114	352409	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	318619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.809	152	142545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.694	65	153106	51.187	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.380%			
35) Dibromofluoromethane	5.282	113	118547	48.310	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.620%			
50) Toluene-d8	7.893	98	427424	46.447	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.900%			
62) 4-Bromofluorobenzene	10.629	95	142114	42.276	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 84.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	1127	0.460	ug/l	100
3) Chloromethane	1.520	50	2341	0.931	ug/l	96
4) Vinyl Chloride	1.604	62	1181	0.471	ug/l #	67
5) Bromomethane	1.858	94	970	0.783	ug/l	89
6) Chloroethane	1.932	64	828	0.522	ug/l	95
7) Trichlorofluoromethane	2.134	101	1667	0.432	ug/l	100
8) Diethyl Ether	2.376	74	624	0.444	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.569	101	916	0.410	ug/l	94
10) Methyl Iodide	2.716	142	1133	0.617	ug/l #	93
12) 1,1-Dichloroethene	2.578	96	1018	0.461	ug/l #	79
13) Acrolein	2.491	56	1181	2.357	ug/l	93
14) Allyl chloride	2.919	41	1164	0.335	ug/l #	89
15) Acrylonitrile	3.331	53	3362	2.391	ug/l	91
16) Acetone	2.639	43	3509	2.461	ug/l #	86
17) Carbon Disulfide	2.790	76	4086	0.617	ug/l #	87
18) Methyl Acetate	2.958	43	1773	0.449	ug/l #	84
19) Methyl tert-butyl Ether	3.360	73	3265	0.436	ug/l	95
20) Methylene Chloride	3.041	84	2571	0.801	ug/l	98
21) trans-1,2-Dichloroethene	3.353	96	1310	0.550	ug/l	95
22) Diisopropyl ether	3.986	45	2895	0.400	ug/l #	31
23) Vinyl Acetate	3.964	43	11009	1.983	ug/l	98
24) 1,1-Dichloroethane	3.864	63	2186	0.476	ug/l #	82
25) 2-Butanone	4.726	43	3999m	2.175	ug/l	
26) 2,2-Dichloropropane	4.668	77	1650	0.438	ug/l #	75
27) cis-1,2-Dichloroethene	4.659	96	1383	0.529	ug/l	89
28) Bromochloromethane	4.974	49	817	0.426	ug/l #	47
29) Tetrahydrofuran	5.076	42	2417	2.265	ug/l #	75
30) Chloroform	5.083	83	2712	0.553	ug/l #	81
31) Cyclohexane	5.369	56	5918	1.412	ug/l #	1
32) 1,1,1-Trichloroethane	5.311	97	1861	0.463	ug/l #	49
36) 1,1-Dichloropropene	5.520	75	1649	0.468	ug/l #	78
37) Ethyl Acetate	4.816	43	1808m	0.472	ug/l	
38) Carbon Tetrachloride	5.520	117	1333	0.368	ug/l	98
39) Methylcyclohexane	6.761	83	2086	0.509	ug/l #	91
40) Benzene	5.771	78	4828	0.454	ug/l	96
41) Methacrylonitrile	4.983	41	628	0.339	ug/l #	51

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.797	62	2078	0.541	ug/l	88
43) Isopropyl Acetate	5.916	43	2184	0.409	ug/l #	82
44) Trichloroethene	6.539	130	1196	0.455	ug/l	79
45) 1,2-Dichloropropane	6.787	63	1088	0.397	ug/l	98
46) Dibromomethane	6.916	93	860	0.453	ug/l	97
47) Bromodichloromethane	7.105	83	1838	0.484	ug/l #	88
48) Methyl methacrylate	6.970	41	740	0.304	ug/l	85
49) 1,4-Dioxane	7.041	88	123m	2.611	ug/l	
51) 4-Methyl-2-Pentanone	7.790	43	6664	1.930	ug/l	95
52) Toluene	7.967	92	3024	0.470	ug/l	99
53) t-1,3-Dichloropropene	8.208	75	1773	0.447	ug/l	91
54) cis-1,3-Dichloropropene	7.601	75	1812	0.428	ug/l #	89
55) 1,1,2-Trichloroethane	8.395	97	1214	0.463	ug/l #	85
56) Ethyl methacrylate	8.337	69	1331	0.360	ug/l	97
57) 1,3-Dichloropropane	8.575	76	1954	0.425	ug/l	89
59) 2-Hexanone	8.691	43	5671	2.132	ug/l	92
60) Dibromochloromethane	8.806	129	1157	0.401	ug/l	82
61) 1,2-Dibromoethane	8.919	107	1104	0.401	ug/l	93
64) Tetrachloroethene	8.549	164	1092	0.493	ug/l #	74
65) Chlorobenzene	9.446	112	3437	0.510	ug/l	92
66) 1,1,1,2-Tetrachloroethane	9.526	131	1079	0.427	ug/l #	57
67) Ethyl Benzene	9.568	91	5095	0.447	ug/l	93
68) m/p-Xylenes	9.694	106	3433	0.776	ug/l	92
69) o-Xylene	10.099	106	1763	0.417	ug/l	91
70) Styrene	10.112	104	2715	0.392	ug/l	98
71) Bromoform	10.285	173	917	0.434	ug/l #	87
73) Isopropylbenzene	10.481	105	4184	0.446	ug/l	91
74) N-amyl acetate	10.321	43	1728	0.483	ug/l	93
75) 1,1,2,2-Tetrachloroethane	10.780	83	2223	0.597	ug/l #	92
76) 1,2,3-Trichloropropane	10.825	75	2122m	0.546	ug/l	
77) Bromobenzene	10.777	156	1337	0.551	ug/l	98
78) n-propylbenzene	10.903	91	5204	0.471	ug/l	96
79) 2-Chlorotoluene	10.983	91	3234	0.474	ug/l	99
80) 1,3,5-Trimethylbenzene	11.083	105	3434	0.440	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.543	75	307m	0.307	ug/l	
82) 4-Chlorotoluene	11.096	91	3895	0.501	ug/l	99
83) tert-Butylbenzene	11.414	119	3717	0.464	ug/l	89
84) 1,2,4-Trimethylbenzene	11.465	105	3316	0.428	ug/l	96
85) sec-Butylbenzene	11.636	105	4051	0.413	ug/l	93
86) p-Isopropyltoluene	11.790	119	3337	0.400	ug/l	90
87) 1,3-Dichlorobenzene	11.745	146	2559	0.553	ug/l	95
88) 1,4-Dichlorobenzene	11.835	146	2968m	0.624	ug/l	
89) n-Butylbenzene	12.205	91	3071	0.429	ug/l	95
90) Hexachloroethane	12.465	117	672	0.420	ug/l	95
91) 1,2-Dichlorobenzene	12.211	146	2601	0.557	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.999	75	291	0.377	ug/l	84
93) 1,2,4-Trichlorobenzene	13.841	180	1870	0.686	ug/l	86
94) Hexachlorobutadiene	14.021	225	938	0.621	ug/l	81
95) Naphthalene	14.089	128	5772	0.746	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.327	180	1929	0.713	ug/l	89

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