

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011923\
 Data File : VU052748.D
 Acq On : 19 Jan 2023 20:17
 Operator : JC/MD
 Sample : MDL05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 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 01:37:50 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	207225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.244	114	346135	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	317270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.809	152	149723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	153664	51.489	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.980%			
35) Dibromofluoromethane	5.282	113	118537	49.182	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.360%			
50) Toluene-d8	7.893	98	431109	47.696	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.400%			
62) 4-Bromofluorobenzene	10.629	95	150812	45.676	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.360%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.382	85	5808	2.377	ug/l	100
3) Chloromethane	1.520	50	7384	2.942	ug/l	93
4) Vinyl Chloride	1.604	62	6456	2.579	ug/l	99
5) Bromomethane	1.858	94	3647	2.951	ug/l	96
6) Chloroethane	1.932	64	4191	2.648	ug/l	98
7) Trichlorofluoromethane	2.131	101	9732	2.525	ug/l	97
8) Diethyl Ether	2.372	74	3639	2.594	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.572	101	5481	2.459	ug/l	97
10) Methyl Iodide	2.716	142	4594	2.509	ug/l #	93
11) Tert butyl alcohol	3.359	59	6479m	12.741	ug/l	
12) 1,1-Dichloroethene	2.575	96	5675	2.575	ug/l	96
13) Acrolein	2.488	56	6664	13.328	ug/l	100
14) Allyl chloride	2.919	41	8397	2.419	ug/l	93
15) Acrylonitrile	3.318	53	16824	11.991	ug/l	97
16) Acetone	2.639	43	15812	11.117	ug/l	98
17) Carbon Disulfide	2.790	76	17357	2.628	ug/l	99
18) Methyl Acetate	2.951	43	10424	2.648	ug/l	94
19) Methyl tert-butyl Ether	3.356	73	18761	2.512	ug/l	92
20) Methylene Chloride	3.041	84	8228	2.570	ug/l	99
21) trans-1,2-Dichloroethene	3.347	96	5724	2.409	ug/l	97
22) Diisopropyl ether	3.986	45	18046	2.499	ug/l #	70
23) Vinyl Acetate	3.954	43	64516	11.646	ug/l	98
24) 1,1-Dichloroethane	3.864	63	11783	2.573	ug/l	97
25) 2-Butanone	4.716	43	20838	11.359	ug/l	98
26) 2,2-Dichloropropane	4.662	77	9469	2.521	ug/l	95
27) cis-1,2-Dichloroethene	4.662	96	6930	2.657	ug/l	98
28) Bromochloromethane	4.967	49	4560	2.386	ug/l #	98
29) Tetrahydrofuran	5.060	42	13344	12.531	ug/l	97
30) Chloroform	5.083	83	12762	2.607	ug/l	86
31) Cyclohexane	5.382	56	14098	3.371	ug/l #	73
32) 1,1,1-Trichloroethane	5.314	97	10802	2.694	ug/l	95
36) 1,1-Dichloropropene	5.520	75	8213	2.375	ug/l	96
37) Ethyl Acetate	4.806	43	9451m	2.514	ug/l	
38) Carbon Tetrachloride	5.520	117	7773	2.185	ug/l	96
39) Methylcyclohexane	6.761	83	9212	2.289	ug/l	91
40) Benzene	5.771	78	26568	2.544	ug/l	99

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41) Methacrylonitrile	4.977	41	3750	2.062	ug/l	93
42) 1,2-Dichloroethane	5.790	62	9920	2.631	ug/l	99
43) Isopropyl Acetate	5.912	43	12642	2.413	ug/l	97
44) Trichloroethene	6.543	130	6271	2.428	ug/l	100
45) 1,2-Dichloropropane	6.787	63	6625	2.460	ug/l	96
46) Dibromomethane	6.916	93	4448	2.385	ug/l	98
47) Bromodichloromethane	7.102	83	9258	2.481	ug/l	94
48) Methyl methacrylate	6.961	41	5326	2.231	ug/l	94
49) 1,4-Dioxane	7.035	88	2170m	46.903	ug/l	
51) 4-Methyl-2-Pentanone	7.793	43	38604	11.383	ug/l	98
52) Toluene	7.967	92	16005	2.534	ug/l	99
53) t-1,3-Dichloropropene	8.208	75	8252	2.117	ug/l	93
54) cis-1,3-Dichloropropene	7.604	75	9974	2.399	ug/l	97
55) 1,1,2-Trichloroethane	8.395	97	6342	2.460	ug/l	96
56) Ethyl methacrylate	8.333	69	8330	2.295	ug/l	96
57) 1,3-Dichloropropane	8.571	76	10984	2.430	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.469	63	825	7.486	ug/l #	88
59) 2-Hexanone	8.690	43	29413	11.259	ug/l	95
60) Dibromochloromethane	8.806	129	6468	2.285	ug/l	97
61) 1,2-Dibromoethane	8.919	107	6622	2.447	ug/l	99
64) Tetrachloroethene	8.549	164	5572	2.528	ug/l	96
65) Chlorobenzene	9.443	112	17011	2.534	ug/l	93
66) 1,1,1,2-Tetrachloroethane	9.530	131	6039	2.400	ug/l	96
67) Ethyl Benzene	9.568	91	25796	2.274	ug/l	93
68) m/p-Xylenes	9.690	106	19173	4.351	ug/l	98
69) o-Xylene	10.099	106	9585	2.279	ug/l	100
70) Styrene	10.112	104	15028	2.178	ug/l	98
71) Bromoform	10.292	173	4898	2.330	ug/l #	97
73) Isopropylbenzene	10.481	105	24326	2.466	ug/l	99
74) N-amyl acetate	10.321	43	8487	2.259	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.780	83	10194	2.609	ug/l	97
76) 1,2,3-Trichloropropane	10.819	75	10870	2.660	ug/l	100
77) Bromobenzene	10.777	156	7049	2.763	ug/l	98
78) n-propylbenzene	10.899	91	27836	2.400	ug/l	99
79) 2-Chlorotoluene	10.983	91	19567	2.730	ug/l	97
80) 1,3,5-Trimethylbenzene	11.083	105	19224	2.346	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.546	75	1856m	1.765	ug/l	
82) 4-Chlorotoluene	11.095	91	20319	2.487	ug/l	99
83) tert-Butylbenzene	11.417	119	20980	2.495	ug/l	97
84) 1,2,4-Trimethylbenzene	11.462	105	18147	2.231	ug/l	99
85) sec-Butylbenzene	11.639	105	23626	2.295	ug/l	99
86) p-Isopropyltoluene	11.790	119	19460	2.223	ug/l	98
87) 1,3-Dichlorobenzene	11.742	146	12468	2.564	ug/l	98
88) 1,4-Dichlorobenzene	11.832	146	13269	2.654	ug/l	89
89) n-Butylbenzene	12.205	91	15885	2.115	ug/l	98
90) Hexachloroethane	12.472	117	3971	2.364	ug/l	99
91) 1,2-Dichlorobenzene	12.211	146	13050	2.661	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.992	75	2121	2.616	ug/l	85
93) 1,2,4-Trichlorobenzene	13.838	180	6738	2.353	ug/l	92
94) Hexachlorobutadiene	14.015	225	3943	2.484	ug/l	96
95) Naphthalene	14.082	128	17223	2.120	ug/l	99
96) 1,2,3-Trichlorobenzene	14.327	180	6420	2.258	ug/l	95

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

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