

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011923\
 Data File : VU052747.D
 Acq On : 19 Jan 2023 19:54
 Operator : JC/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

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

Quant Time: Jan 20 01:37:09 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	205252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	343482	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	312079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.809	152	147595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	157241	53.194	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.380%			
35) Dibromofluoromethane	5.282	113	120779	50.499	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.000%			
50) Toluene-d8	7.893	98	438816	48.924	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.840%			
62) 4-Bromofluorobenzene	10.629	95	150757	46.012	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	5729	2.367	ug/l	94
3) Chloromethane	1.517	50	7311	2.941	ug/l	93
4) Vinyl Chloride	1.604	62	6117	2.467	ug/l	99
5) Bromomethane	1.858	94	3788	3.095	ug/l	91
6) Chloroethane	1.932	64	3843	2.452	ug/l	95
7) Trichlorofluoromethane	2.134	101	9435	2.472	ug/l	97
8) Diethyl Ether	2.375	74	3530	2.540	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.575	101	5115	2.317	ug/l	93
10) Methyl Iodide	2.720	142	4717	2.601	ug/l #	94
11) Tert butyl alcohol	3.253	59	6004m	11.920	ug/l	
12) 1,1-Dichloroethene	2.578	96	5619	2.574	ug/l	94
13) Acrolein	2.488	56	7337	14.816	ug/l	98
14) Allyl chloride	2.919	41	8156	2.372	ug/l	98
15) Acrylonitrile	3.318	53	17394	12.516	ug/l	98
16) Acetone	2.642	43	15918	11.299	ug/l	97
17) Carbon Disulfide	2.790	76	16993	2.598	ug/l	97
18) Methyl Acetate	2.951	43	9906	2.541	ug/l	97
19) Methyl tert-butyl Ether	3.359	73	18504	2.502	ug/l	97
20) Methylene Chloride	3.041	84	7318	2.308	ug/l	94
21) trans-1,2-Dichloroethene	3.350	96	5898	2.506	ug/l	98
22) Diisopropyl ether	3.990	45	17253	2.413	ug/l #	84
23) Vinyl Acetate	3.954	43	65559	11.948	ug/l	98
24) 1,1-Dichloroethane	3.864	63	11998	2.645	ug/l	97
25) 2-Butanone	4.713	43	21613	11.895	ug/l	99
26) 2,2-Dichloropropane	4.662	77	9016	2.423	ug/l #	73
27) cis-1,2-Dichloroethene	4.662	96	6811	2.636	ug/l	97
28) Bromochloromethane	4.973	49	4675	2.469	ug/l #	96
29) Tetrahydrofuran	5.060	42	13133	12.451	ug/l	98
30) Chloroform	5.086	83	11973	2.469	ug/l	97
31) Cyclohexane	5.379	56	13465	3.251	ug/l #	68
32) 1,1,1-Trichloroethane	5.311	97	10412	2.622	ug/l	94
36) 1,1-Dichloropropene	5.523	75	8890	2.591	ug/l	94
37) Ethyl Acetate	4.806	43	9350m	2.506	ug/l	
38) Carbon Tetrachloride	5.517	117	7763	2.199	ug/l	95
39) Methylcyclohexane	6.758	83	9487	2.376	ug/l	98
40) Benzene	5.771	78	25587	2.469	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	4160	2.305	ug/l #	95
42) 1,2-Dichloroethane	5.793	62	9151	2.446	ug/l	95
43) Isopropyl Acetate	5.912	43	13082	2.516	ug/l #	93
44) Trichloroethene	6.539	130	6569	2.563	ug/l	100
45) 1,2-Dichloropropane	6.790	63	6496	2.431	ug/l	95
46) Dibromomethane	6.915	93	4321	2.335	ug/l	96
47) Bromodichloromethane	7.099	83	8674	2.342	ug/l	94
48) Methyl methacrylate	6.960	41	5269	2.224	ug/l	96
49) 1,4-Dioxane	7.044	88	2420m	52.710	ug/l	
51) 4-Methyl-2-Pentanone	7.790	43	38775	11.522	ug/l	96
52) Toluene	7.967	92	16121	2.572	ug/l	95
53) t-1,3-Dichloropropene	8.205	75	8731	2.257	ug/l	90
54) cis-1,3-Dichloropropene	7.604	75	9776	2.369	ug/l	98
55) 1,1,2-Trichloroethane	8.398	97	6811	2.663	ug/l	87
56) Ethyl methacrylate	8.333	69	8141	2.260	ug/l	99
57) 1,3-Dichloropropane	8.571	76	10875	2.424	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.459	63	789	7.214	ug/l #	87
59) 2-Hexanone	8.687	43	28909	11.151	ug/l	95
60) Dibromochloromethane	8.806	129	6581	2.343	ug/l	97
61) 1,2-Dibromoethane	8.919	107	6382	2.376	ug/l	95
64) Tetrachloroethene	8.549	164	5946	2.743	ug/l	93
65) Chlorobenzene	9.443	112	16531	2.503	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.530	131	6248	2.524	ug/l	94
67) Ethyl Benzene	9.568	91	25804	2.312	ug/l	99
68) m/p-Xylenes	9.690	106	19551	4.511	ug/l	99
69) o-Xylene	10.095	106	9395	2.271	ug/l	97
70) Styrene	10.111	104	14648	2.158	ug/l	96
71) Bromoform	10.285	173	4666	2.257	ug/l #	100
73) Isopropylbenzene	10.481	105	23691	2.436	ug/l	98
74) N-amyl acetate	10.317	43	8324	2.247	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.777	83	10303	2.674	ug/l	97
76) 1,2,3-Trichloropropane	10.819	75	11315	2.809	ug/l	99
77) Bromobenzene	10.777	156	7031	2.796	ug/l	93
78) n-propylbenzene	10.902	91	27661	2.419	ug/l	98
79) 2-Chlorotoluene	10.983	91	19073	2.699	ug/l	98
80) 1,3,5-Trimethylbenzene	11.086	105	18940	2.345	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.542	75	2166m	2.090	ug/l	
82) 4-Chlorotoluene	11.092	91	20190	2.507	ug/l	100
83) tert-Butylbenzene	11.417	119	19239	2.321	ug/l	97
84) 1,2,4-Trimethylbenzene	11.462	105	18062	2.253	ug/l	99
85) sec-Butylbenzene	11.639	105	22737	2.240	ug/l	99
86) p-Isopropyltoluene	11.790	119	18114	2.099	ug/l	96
87) 1,3-Dichlorobenzene	11.742	146	12204	2.546	ug/l	99
88) 1,4-Dichlorobenzene	11.832	146	13004	2.638	ug/l	94
89) n-Butylbenzene	12.205	91	15524	2.097	ug/l	99
90) Hexachloroethane	12.472	117	3663	2.212	ug/l	92
91) 1,2-Dichlorobenzene	12.211	146	11964	2.475	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.992	75	2137	2.673	ug/l	92
93) 1,2,4-Trichlorobenzene	13.838	180	6529	2.313	ug/l	98
94) Hexachlorobutadiene	14.015	225	3677	2.350	ug/l	96
95) Naphthalene	14.082	128	16720	2.088	ug/l	98
96) 1,2,3-Trichlorobenzene	14.327	180	6119	2.183	ug/l	98

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

