

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011223\
 Data File : VU052667.D
 Acq On : 12 Jan 2023 15:36
 Operator : JC/MD
 Sample : MDL03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023

Quant Time: Jan 13 02:05:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U011123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 13 02:01:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.369	168	201462	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.244	114	358512	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	331707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	150383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	172966	53.738	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.480%			
35) Dibromofluoromethane	5.285	113	127052	51.451	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.900%			
50) Toluene-d8	7.893	98	457940	48.304	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.600%			
62) 4-Bromofluorobenzene	10.629	95	155748	45.330	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.660%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	6133	2.416	ug/l	95
3) Chloromethane	1.520	50	10244	2.771	ug/l	93
4) Vinyl Chloride	1.604	62	7315	2.298	ug/l	99
5) Bromomethane	1.858	94	4992	2.697	ug/l	93
6) Chloroethane	1.935	64	4784	2.505	ug/l	94
7) Trichlorofluoromethane	2.134	101	10122	2.533	ug/l	100
8) Diethyl Ether	2.376	74	4280	2.606	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.581	101	5950	2.491	ug/l	91
10) Methyl Iodide	2.720	142	6751	2.728	ug/l	93
11) Tert butyl alcohol	3.260	59	9205m	14.575	ug/l	
12) 1,1-Dichloroethene	2.578	96	6288	2.672	ug/l	92
13) Acrolein	2.488	56	10388	13.623	ug/l	100
14) Allyl chloride	2.922	41	12104	2.612	ug/l #	85
15) Acrylonitrile	3.321	53	21995	12.945	ug/l	99
16) Acetone	2.646	43	22889	13.867	ug/l	93
17) Carbon Disulfide	2.794	76	18007	2.415	ug/l	98
18) Methyl Acetate	2.954	43	12578	2.615	ug/l #	87
19) Methyl tert-butyl Ether	3.366	73	20524	2.522	ug/l #	89
20) Methylene Chloride	3.044	84	9234	2.656	ug/l #	88
21) trans-1,2-Dichloroethene	3.350	96	6239	2.450	ug/l	86
22) Diisopropyl ether	3.990	45	21799	2.447	ug/l	98
23) Vinyl Acetate	3.954	43	81178	11.697	ug/l	97
24) 1,1-Dichloroethane	3.871	63	13499	2.575	ug/l	100
25) 2-Butanone	4.716	43	27684	12.215	ug/l	98
26) 2,2-Dichloropropane	4.662	77	10581	2.590	ug/l	97
27) cis-1,2-Dichloroethene	4.671	96	7384	2.539	ug/l	84
28) Bromochloromethane	4.973	49	6014	2.495	ug/l #	70
29) Tetrahydrofuran	5.060	42	17613	12.814	ug/l	87
30) Chloroform	5.083	83	14819	2.780	ug/l	98
31) Cyclohexane	5.382	56	15791	3.180	ug/l #	84
32) 1,1,1-Trichloroethane	5.308	97	10643	2.550	ug/l	88
36) 1,1-Dichloropropene	5.527	75	8780	2.259	ug/l	96
37) Ethyl Acetate	4.806	43	12465m	2.531	ug/l	
38) Carbon Tetrachloride	5.517	117	8506	2.360	ug/l	95
39) Methylcyclohexane	6.761	83	9775	2.187	ug/l	91
40) Benzene	5.771	78	28979	2.523	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.977	41	5521	2.389	ug/l #	73
42) 1,2-Dichloroethane	5.793	62	11298	2.736	ug/l	100
43) Isopropyl Acetate	5.912	43	15873	2.456	ug/l #	95
44) Trichloroethene	6.539	130	6578	2.424	ug/l	99
45) 1,2-Dichloropropane	6.787	63	7602	2.390	ug/l #	88
46) Dibromomethane	6.916	93	5348	2.680	ug/l	87
47) Bromodichloromethane	7.102	83	10268	2.509	ug/l	93
48) Methyl methacrylate	6.957	41	6713	2.236	ug/l	93
49) 1,4-Dioxane	7.038	88	2850	49.980	ug/l #	63
51) 4-Methyl-2-Pentanone	7.790	43	48956	11.592	ug/l	93
52) Toluene	7.967	92	17513	2.593	ug/l	93
53) t-1,3-Dichloropropene	8.208	75	10003	2.316	ug/l	96
54) cis-1,3-Dichloropropene	7.604	75	10696	2.274	ug/l	95
55) 1,1,2-Trichloroethane	8.395	97	7287	2.615	ug/l	96
56) Ethyl methacrylate	8.330	69	9558	2.325	ug/l	94
57) 1,3-Dichloropropane	8.571	76	13041	2.620	ug/l	95
59) 2-Hexanone	8.684	43	37150	11.508	ug/l	91
60) Dibromochloromethane	8.806	129	6964	2.406	ug/l	99
61) 1,2-Dibromoethane	8.919	107	6987	2.473	ug/l	97
64) Tetrachloroethene	8.549	164	5158	2.396	ug/l	95
65) Chlorobenzene	9.443	112	17762	2.513	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.530	131	6165	2.414	ug/l	95
67) Ethyl Benzene	9.565	91	27167	2.217	ug/l	97
68) m/p-Xylenes	9.690	106	19564	4.239	ug/l	94
69) o-Xylene	10.099	106	9564	2.177	ug/l	92
70) Styrene	10.112	104	15278	2.074	ug/l	93
71) Bromoform	10.288	173	5258	2.455	ug/l #	98
73) Isopropylbenzene	10.481	105	23024	2.237	ug/l	100
74) N-amyl acetate	10.317	43	10747	2.285	ug/l	93
75) 1,1,2,2-Tetrachloroethane	10.777	83	12442	2.865	ug/l	98
76) 1,2,3-Trichloropropane	10.819	75	12825	2.693	ug/l	96
77) Bromobenzene	10.780	156	6633	2.590	ug/l	77
78) n-propylbenzene	10.903	91	29240	2.335	ug/l	94
79) 2-Chlorotoluene	10.983	91	19695	2.572	ug/l	91
80) 1,3,5-Trimethylbenzene	11.083	105	20229	2.335	ug/l	95
81) trans-1,4-Dichloro-2-b...	10.539	75	2735	2.192	ug/l #	87
82) 4-Chlorotoluene	11.095	91	21789	2.495	ug/l	92
83) tert-Butylbenzene	11.414	119	19418	2.249	ug/l	95
84) 1,2,4-Trimethylbenzene	11.465	105	17879	2.093	ug/l	99
85) sec-Butylbenzene	11.639	105	23425	2.151	ug/l	97
86) p-Isopropyltoluene	11.790	119	18418	2.065	ug/l	96
87) 1,3-Dichlorobenzene	11.742	146	12301	2.490	ug/l	97
88) 1,4-Dichlorobenzene	11.832	146	13394	2.643	ug/l	91
89) n-Butylbenzene	12.205	91	16032	1.975	ug/l	96
90) Hexachloroethane	12.468	117	4161	2.378	ug/l	86
91) 1,2-Dichlorobenzene	12.208	146	12418	2.530	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.992	75	2530	2.726	ug/l	73
93) 1,2,4-Trichlorobenzene	13.838	180	6386	2.216	ug/l	98
94) Hexachlorobutadiene	14.015	225	3358	2.211	ug/l	95
95) Naphthalene	14.082	128	18344	2.126	ug/l	99
96) 1,2,3-Trichlorobenzene	14.327	180	6800	2.361	ug/l	93

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

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