

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040222\
 Data File : VU047795.D
 Acq On : 02 Apr 2022 13:01
 Operator : SY/MD
 Sample : MDL03 0.5ppb
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03 0.5ppb

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Apr 04 09:24:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U033122W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 04 09:23:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.376	168	279636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	428361	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	412103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.813	152	221536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	171839	57.280	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.560%	
35) Dibromofluoromethane	5.292	113	152750	53.173	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.340%	
50) Toluene-d8	7.900	98	518726	50.121	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.240%	
62) 4-Bromofluorobenzene	10.633	95	183274	45.470	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.940%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	1142	0.365	ug/l	82
3) Chloromethane	1.524	50	1766	0.506	ug/l	92
4) Vinyl Chloride	1.604	62	1538	0.469	ug/l	96
5) Bromomethane	1.858	94	1346	0.624	ug/l	96
6) Chloroethane	1.935	64	1225	0.571	ug/l #	85
7) Trichlorofluoromethane	2.141	101	2010	0.439	ug/l	90
8) Diethyl Ether	2.376	74	831	0.474	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.581	101	1205	0.440	ug/l	95
10) Methyl Iodide	2.729	142	1067	0.404	ug/l #	94
11) Tert butyl alcohol	3.186	59	1737	2.066	ug/l #	37
12) 1,1-Dichloroethene	2.581	96	1242	0.464	ug/l	84
13) Acrolein	2.485	56	1413	3.337	ug/l	98
14) Allyl chloride	2.929	41	1949	0.513	ug/l	97
15) Acrylonitrile	3.324	53	3538	1.754	ug/l	95
16) Acetone	2.630	43	4600	2.103	ug/l	98
17) Carbon Disulfide	2.797	76	3921	0.498	ug/l #	88
18) Methyl Acetate	2.958	43	1922	0.470	ug/l #	61
19) Methyl tert-butyl Ether	3.366	73	3409	0.404	ug/l #	91
20) Methylene Chloride	3.048	84	1715	0.528	ug/l #	92
21) trans-1,2-Dichloroethene	3.363	96	1223	0.419	ug/l #	85
22) Diisopropyl ether	3.999	45	2942	0.389	ug/l #	72
23) Vinyl Acetate	3.970	43	12363	1.802	ug/l	97
24) 1,1-Dichloroethane	3.874	63	2263	0.455	ug/l #	82
25) 2-Butanone	4.716	43	5049	1.833	ug/l #	83
26) 2,2-Dichloropropane	4.668	77	2062	0.468	ug/l	84
27) cis-1,2-Dichloroethene	4.671	96	1517	0.458	ug/l	92
28) Bromochloromethane	4.980	49	897	0.504	ug/l #	99
29) Tetrahydrofuran	5.064	42	3408	1.999	ug/l	93
30) Chloroform	5.089	83	2488	0.464	ug/l	92
31) Cyclohexane	5.379	56	6899	1.542	ug/l #	34
32) 1,1,1-Trichloroethane	5.314	97	2093	0.453	ug/l #	48
36) 1,1-Dichloropropene	5.530	75	2006	0.495	ug/l	86
37) Ethyl Acetate	4.822	43	2152m	0.394	ug/l	
38) Carbon Tetrachloride	5.527	117	1968	0.455	ug/l	95
39) Methylcyclohexane	6.768	83	1976	0.399	ug/l #	90
40) Benzene	5.781	78	5603	0.465	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	4.980	41	696	0.282	ug/l	#	54
42) 1,2-Dichloroethane	5.803	62	2169	0.517	ug/l		82
43) Isopropyl Acetate	5.919	43	2775	0.405	ug/l	#	82
44) Trichloroethene	6.546	130	1415	0.405	ug/l		95
45) 1,2-Dichloropropane	6.793	63	1227	0.404	ug/l		91
46) Dibromomethane	6.919	93	1047	0.437	ug/l		95
47) Bromodichloromethane	7.109	83	2048	0.464	ug/l	#	93
48) Methyl methacrylate	6.967	41	1160	0.370	ug/l		92
49) 1,4-Dioxane	6.983	88	602	6.280	ug/l	#	15
51) 4-Methyl-2-Pentanone	7.793	43	8992	1.792	ug/l		93
52) Toluene	7.970	92	3459	0.449	ug/l		97
53) t-1,3-Dichloropropene	8.211	75	1943	0.395	ug/l	#	49
54) cis-1,3-Dichloropropene	7.610	75	1651	0.327	ug/l	#	79
55) 1,1,2-Trichloroethane	8.404	97	1516	0.460	ug/l	#	79
56) Ethyl methacrylate	8.340	69	1689	0.357	ug/l		96
57) 1,3-Dichloropropane	8.578	76	2358	0.439	ug/l		96
58) 2-Chloroethyl Vinyl ether	7.465	63	287	0.850	ug/l	#	46
59) 2-Hexanone	8.687	43	7634	1.855	ug/l		98
60) Dibromochloromethane	8.809	129	1504	0.397	ug/l		93
61) 1,2-Dibromoethane	8.925	107	1513	0.404	ug/l		95
64) Tetrachloroethene	8.559	164	1581	0.519	ug/l	#	85
65) Chlorobenzene	9.449	112	3889	0.443	ug/l	#	84
66) 1,1,1,2-Tetrachloroethane	9.536	131	1342	0.415	ug/l	#	65
67) Ethyl Benzene	9.571	91	5676	0.394	ug/l		99
68) m/p-Xylenes	9.697	106	4444	0.785	ug/l		96
69) o-Xylene	10.099	106	1732	0.320	ug/l		71
70) Styrene	10.118	104	3321	0.369	ug/l		98
71) Bromoform	10.292	173	1232	0.372	ug/l	#	95
73) Isopropylbenzene	10.485	105	5102	0.394	ug/l		97
74) N-amyl acetate	10.327	43	1751	0.342	ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	10.784	83	2478	0.458	ug/l	#	97
76) 1,2,3-Trichloropropane	10.829	75	2938	0.474	ug/l		93
77) Bromobenzene	10.784	156	1781	0.478	ug/l		95
78) n-propylbenzene	10.909	91	7213	0.466	ug/l		96
79) 2-Chlorotoluene	10.989	91	4104	0.441	ug/l		99
80) 1,3,5-Trimethylbenzene	11.089	105	4336	0.397	ug/l		96
81) trans-1,4-Dichloro-2-b...	10.546	75	557m	0.320	ug/l		
82) 4-Chlorotoluene	11.099	91	4576	0.423	ug/l		93
83) tert-Butylbenzene	11.424	119	4675	0.416	ug/l		95
84) 1,2,4-Trimethylbenzene	11.469	105	4268	0.393	ug/l		95
85) sec-Butylbenzene	11.645	105	5094	0.372	ug/l		95
86) p-Isopropyltoluene	11.793	119	4188	0.356	ug/l	#	81
87) 1,3-Dichlorobenzene	11.748	146	3617	0.488	ug/l		96
88) 1,4-Dichlorobenzene	11.835	146	3890m	0.512	ug/l		
89) n-Butylbenzene	12.211	91	4369	0.398	ug/l		95
90) Hexachloroethane	12.478	117	872	0.367	ug/l		97
91) 1,2-Dichlorobenzene	12.218	146	3382	0.469	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	13.002	75	575	0.427	ug/l		88
93) 1,2,4-Trichlorobenzene	13.841	180	2607	0.510	ug/l		97
94) Hexachlorobutadiene	14.021	225	1179	0.458	ug/l		93
95) Naphthalene	14.092	128	7007	0.460	ug/l		99
96) 1,2,3-Trichlorobenzene	14.333	180	2492	0.500	ug/l		96

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

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