

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040222\
 Data File : VU047797.D
 Acq On : 02 Apr 2022 13:46
 Operator : SY/MD
 Sample : MDL05 0.5ppb
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05 0.5ppb

Quant Time: Apr 04 09:25:28 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

Manual Integrations APPROVED

Reviewed By : John Carlone 04/04/2022
 Supervised By : Mahesh Dadoda 04/05/2022

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

Internal Standards						
1) Pentafluorobenzene	5.375	168	279604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	425675	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	415400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	221787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	172873	57.632	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.260%			
35) Dibromofluoromethane	5.292	113	154406	54.088	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.180%			
50) Toluene-d8	7.899	98	523839	50.934	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.860%			
62) 4-Bromofluorobenzene	10.632	95	182978	45.683	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	1532	0.490	ug/l	99
3) Chloromethane	1.523	50	2081	0.596	ug/l	98
4) Vinyl Chloride	1.607	62	2039	0.622	ug/l	97
5) Bromomethane	1.861	94	1849	0.857	ug/l	83
6) Chloroethane	1.935	64	1104	0.515	ug/l	93
7) Trichlorofluoromethane	2.141	101	2572	0.561	ug/l	100
8) Diethyl Ether	2.382	74	1035	0.590	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.584	101	1522	0.555	ug/l	97
10) Methyl Iodide	2.729	142	1290	0.488	ug/l #	84
11) Tert butyl alcohol	3.199	59	2166m	2.577	ug/l	
12) 1,1-Dichloroethene	2.581	96	1715	0.641	ug/l	94
13) Acrolein	2.491	56	1350	3.189	ug/l	88
14) Allyl chloride	2.922	41	2403m	0.632	ug/l	
15) Acrylonitrile	3.327	53	5078	2.518	ug/l	91
16) Acetone	2.639	43	5469	2.501	ug/l	98
17) Carbon Disulfide	2.797	76	4680	0.594	ug/l	97
18) Methyl Acetate	2.964	43	2084	0.509	ug/l	96
19) Methyl tert-butyl Ether	3.369	73	4306	0.511	ug/l	96
20) Methylene Chloride	3.057	84	2390	0.736	ug/l	87
21) trans-1,2-Dichloroethene	3.359	96	1642	0.563	ug/l	83
22) Diisopropyl ether	3.993	45	4021	0.532	ug/l #	64
23) Vinyl Acetate	3.967	43	16171m	2.358	ug/l	
24) 1,1-Dichloroethane	3.874	63	2929	0.589	ug/l #	93
25) 2-Butanone	4.726	43	6173	2.241	ug/l	89
26) 2,2-Dichloropropane	4.674	77	2354	0.534	ug/l	98
27) cis-1,2-Dichloroethene	4.678	96	1775	0.536	ug/l	97
28) Bromochloromethane	4.986	49	918	0.516	ug/l #	89
29) Tetrahydrofuran	5.073	42	4373	2.566	ug/l #	79
30) Chloroform	5.096	83	3026	0.565	ug/l	93
31) Cyclohexane	5.379	56	7051	1.576	ug/l #	21
32) 1,1,1-Trichloroethane	5.321	97	2579	0.558	ug/l #	50
36) 1,1-Dichloropropene	5.530	75	2398	0.595	ug/l	92
37) Ethyl Acetate	4.813	43	3102m	0.572	ug/l	
38) Carbon Tetrachloride	5.523	117	2343	0.545	ug/l #	78
39) Methylcyclohexane	6.764	83	2303	0.467	ug/l	91
40) Benzene	5.781	78	6870	0.574	ug/l	97

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41) Methacrylonitrile	4.983	41	891	0.364	ug/l #	89
42) 1,2-Dichloroethane	5.800	62	2825	0.677	ug/l	80
43) Isopropyl Acetate	5.919	43	3247	0.477	ug/l #	93
44) Trichloroethene	6.549	130	1942	0.559	ug/l	94
45) 1,2-Dichloropropane	6.797	63	1638	0.543	ug/l	92
46) Dibromomethane	6.928	93	1294	0.543	ug/l	96
47) Bromodichloromethane	7.108	83	2439	0.556	ug/l #	99
48) Methyl methacrylate	6.970	41	1452	0.466	ug/l	85
49) 1,4-Dioxane	6.986	88	975m	10.236	ug/l	
51) 4-Methyl-2-Pentanone	7.797	43	11789	2.365	ug/l	96
52) Toluene	7.970	92	4308	0.562	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	2458	0.503	ug/l #	42
54) cis-1,3-Dichloropropene	7.607	75	2511	0.500	ug/l #	89
55) 1,1,2-Trichloroethane	8.404	97	1614	0.493	ug/l	97
56) Ethyl methacrylate	8.337	69	2097	0.446	ug/l	98
57) 1,3-Dichloropropane	8.578	76	2846	0.534	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.469	63	427	1.273	ug/l #	46
59) 2-Hexanone	8.690	43	10105	2.471	ug/l	89
60) Dibromochloromethane	8.809	129	1930	0.513	ug/l	97
61) 1,2-Dibromoethane	8.925	107	1906	0.512	ug/l	95
64) Tetrachloroethene	8.555	164	1517	0.494	ug/l	84
65) Chlorobenzene	9.449	112	4850	0.548	ug/l	92
66) 1,1,1,2-Tetrachloroethane	9.536	131	1828	0.560	ug/l #	59
67) Ethyl Benzene	9.571	91	7717	0.532	ug/l	98
68) m/p-Xylenes	9.694	106	5560	0.975	ug/l	95
69) o-Xylene	10.102	106	2555	0.468	ug/l	98
70) Styrene	10.118	104	3882	0.428	ug/l	98
71) Bromoform	10.288	173	1638	0.491	ug/l #	91
73) Isopropylbenzene	10.485	105	6197	0.478	ug/l	98
74) N-amyl acetate	10.324	43	2456	0.479	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	10.784	83	3190	0.589	ug/l	97
76) 1,2,3-Trichloropropane	10.822	75	3503	0.564	ug/l	98
77) Bromobenzene	10.780	156	2035	0.546	ug/l	87
78) n-propylbenzene	10.906	91	7866	0.508	ug/l	98
79) 2-Chlorotoluene	10.986	91	5186	0.557	ug/l	94
80) 1,3,5-Trimethylbenzene	11.092	105	5212	0.477	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.549	75	714m	0.409	ug/l	
82) 4-Chlorotoluene	11.099	91	5837	0.540	ug/l	95
83) tert-Butylbenzene	11.420	119	5065	0.450	ug/l	95
84) 1,2,4-Trimethylbenzene	11.472	105	5066	0.466	ug/l	95
85) sec-Butylbenzene	11.645	105	6090	0.444	ug/l	97
86) p-Isopropyltoluene	11.796	119	5139	0.437	ug/l	90
87) 1,3-Dichlorobenzene	11.748	146	4345	0.586	ug/l	96
88) 1,4-Dichlorobenzene	11.838	146	4372m	0.575	ug/l	
89) n-Butylbenzene	12.211	91	5126	0.466	ug/l	96
90) Hexachloroethane	12.472	117	1105	0.464	ug/l	78
91) 1,2-Dichlorobenzene	12.214	146	4223	0.586	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.999	75	878	0.651	ug/l	78
93) 1,2,4-Trichlorobenzene	13.841	180	2840	0.555	ug/l	99
94) Hexachlorobutadiene	14.021	225	1472	0.571	ug/l	92
95) Naphthalene	14.092	128	7919	0.520	ug/l	95
96) 1,2,3-Trichlorobenzene	14.333	180	3010	0.604	ug/l	92

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

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