

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040222\
 Data File : VU047796.D
 Acq On : 02 Apr 2022 13:23
 Operator : SY/MD
 Sample : MDL04 0.5ppb
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04 0.5ppb

Quant Time: Apr 04 09:24:58 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	5.378	168	280038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	426847	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	419699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	220696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	171465	57.074	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.140%			
35) Dibromofluoromethane	5.292	113	154501	53.973	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.940%			
50) Toluene-d8	7.899	98	510383	49.490	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.980%			
62) 4-Bromofluorobenzene	10.632	95	180369	44.908	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	1152	0.368	ug/l	91
3) Chloromethane	1.523	50	1857	0.531	ug/l #	81
4) Vinyl Chloride	1.607	62	1621	0.494	ug/l	95
5) Bromomethane	1.861	94	1459	0.675	ug/l	94
6) Chloroethane	1.938	64	1339	0.624	ug/l	91
7) Trichlorofluoromethane	2.141	101	2178	0.474	ug/l	100
8) Diethyl Ether	2.379	74	927	0.528	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.588	101	1199	0.437	ug/l #	77
10) Methyl Iodide	2.729	142	1105	0.418	ug/l #	80
11) Tert butyl alcohol	3.179	59	1735	2.061	ug/l #	41
12) 1,1-Dichloroethene	2.588	96	1348	0.503	ug/l	84
13) Acrolein	2.488	56	1150	2.712	ug/l	97
14) Allyl chloride	2.932	41	2063	0.542	ug/l #	93
15) Acrylonitrile	3.324	53	3917	1.940	ug/l	97
16) Acetone	2.633	43	4532	2.069	ug/l	94
17) Carbon Disulfide	2.793	76	4025	0.510	ug/l	97
18) Methyl Acetate	2.957	43	2035	0.497	ug/l	94
19) Methyl tert-butyl Ether	3.369	73	3769	0.446	ug/l	97
20) Methylene Chloride	3.051	84	1963	0.603	ug/l	94
21) trans-1,2-Dichloroethene	3.359	96	1434	0.491	ug/l	88
22) Diisopropyl ether	3.996	45	3220	0.425	ug/l #	62
23) Vinyl Acetate	3.973	43	13651m	1.987	ug/l	
24) 1,1-Dichloroethane	3.874	63	2228	0.447	ug/l #	86
25) 2-Butanone	4.716	43	5069	1.838	ug/l	94
26) 2,2-Dichloropropane	4.677	77	2222m	0.503	ug/l	
27) cis-1,2-Dichloroethene	4.677	96	1746	0.526	ug/l	83
28) Bromochloromethane	4.983	49	818	0.459	ug/l #	99
29) Tetrahydrofuran	5.063	42	3261m	1.910	ug/l	
30) Chloroform	5.095	83	2620	0.488	ug/l	100
31) Cyclohexane	5.378	56	6887	1.537	ug/l #	31
32) 1,1,1-Trichloroethane	5.317	97	2409	0.521	ug/l #	46
36) 1,1-Dichloropropene	5.536	75	1909	0.472	ug/l	93
37) Ethyl Acetate	4.825	43	2430m	0.447	ug/l	
38) Carbon Tetrachloride	5.526	117	2116	0.491	ug/l	96
39) Methylcyclohexane	6.767	83	1913	0.387	ug/l	94
40) Benzene	5.777	78	5664	0.472	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.986	41	788	0.321	ug/l #	81
42) 1,2-Dichloroethane	5.800	62	2412	0.577	ug/l	91
43) Isopropyl Acetate	5.915	43	2880	0.422	ug/l #	87
44) Trichloroethene	6.552	130	1611	0.463	ug/l	96
45) 1,2-Dichloropropane	6.793	63	1249	0.413	ug/l	97
46) Dibromomethane	6.925	93	1082	0.453	ug/l	99
47) Bromodichloromethane	7.105	83	2325	0.529	ug/l #	93
48) Methyl methacrylate	6.970	41	1223	0.391	ug/l	92
49) 1,4-Dioxane	6.967	88	546m	5.716	ug/l	
51) 4-Methyl-2-Pentanone	7.793	43	9231	1.846	ug/l	97
52) Toluene	7.973	92	3710	0.483	ug/l	94
53) t-1,3-Dichloropropene	8.218	75	2130	0.435	ug/l #	56
54) cis-1,3-Dichloropropene	7.610	75	2085	0.414	ug/l	97
55) 1,1,2-Trichloroethane	8.401	97	1409	0.429	ug/l	91
56) Ethyl methacrylate	8.333	69	1871	0.397	ug/l	94
57) 1,3-Dichloropropane	8.578	76	2352	0.440	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.472	63	444	1.320	ug/l #	46
59) 2-Hexanone	8.687	43	7713	1.881	ug/l	93
60) Dibromochloromethane	8.809	129	1741	0.461	ug/l	99
61) 1,2-Dibromoethane	8.922	107	1631	0.437	ug/l	98
64) Tetrachloroethene	8.552	164	1340	0.432	ug/l	93
65) Chlorobenzene	9.449	112	3965	0.443	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.539	131	1557	0.472	ug/l #	63
67) Ethyl Benzene	9.574	91	5964	0.407	ug/l	95
68) m/p-Xylenes	9.697	106	4541	0.788	ug/l	97
69) o-Xylene	10.102	106	2130	0.386	ug/l	93
70) Styrene	10.115	104	3150	0.344	ug/l	96
71) Bromoform	10.295	173	1384	0.411	ug/l #	86
73) Isopropylbenzene	10.484	105	4800	0.372	ug/l	98
74) N-amyl acetate	10.324	43	1854	0.363	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	10.783	83	2492	0.462	ug/l	96
76) 1,2,3-Trichloropropane	10.825	75	2994	0.485	ug/l	96
77) Bromobenzene	10.783	156	1855	0.500	ug/l	96
78) n-propylbenzene	10.906	91	6678	0.433	ug/l	95
79) 2-Chlorotoluene	10.986	91	4400	0.475	ug/l	92
80) 1,3,5-Trimethylbenzene	11.092	105	4381	0.403	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.552	75	649m	0.374	ug/l	
82) 4-Chlorotoluene	11.102	91	4598	0.427	ug/l	99
83) tert-Butylbenzene	11.423	119	4495	0.402	ug/l	97
84) 1,2,4-Trimethylbenzene	11.471	105	4464	0.413	ug/l	96
85) sec-Butylbenzene	11.645	105	4950	0.362	ug/l	96
86) p-Isopropyltoluene	11.793	119	4271	0.365	ug/l #	87
87) 1,3-Dichlorobenzene	11.748	146	3525	0.477	ug/l	99
88) 1,4-Dichlorobenzene	11.835	146	3843m	0.508	ug/l	
89) n-Butylbenzene	12.211	91	4185	0.382	ug/l	94
90) Hexachloroethane	12.481	117	1167	0.493	ug/l	91
91) 1,2-Dichlorobenzene	12.214	146	3675	0.512	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	13.002	75	565	0.421	ug/l	90
93) 1,2,4-Trichlorobenzene	13.841	180	2527	0.497	ug/l	94
94) Hexachlorobutadiene	14.021	225	1280	0.499	ug/l	82
95) Naphthalene	14.092	128	6641	0.438	ug/l	98
96) 1,2,3-Trichlorobenzene	14.333	180	2418	0.487	ug/l	96

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

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