

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040222\
 Data File : VU047799.D
 Acq On : 02 Apr 2022 14:32
 Operator : SY/MD
 Sample : MDL04 2.5ppb
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04 2.5ppb

Quant Time: Apr 04 09:26:27 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	294610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	443389	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	433090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	234706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	172773	54.664	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.320%			
35) Dibromofluoromethane	5.292	113	155669	52.352	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.700%			
50) Toluene-d8	7.899	98	536054	50.040	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.080%			
62) 4-Bromofluorobenzene	10.632	95	191370	45.870	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	7694	2.333	ug/l	96
3) Chloromethane	1.523	50	9365	2.547	ug/l	97
4) Vinyl Chloride	1.607	62	9106	2.638	ug/l	98
5) Bromomethane	1.851	94	7082	3.115	ug/l	89
6) Chloroethane	1.932	64	6522	2.887	ug/l	99
7) Trichlorofluoromethane	2.141	101	12382	2.564	ug/l	89
8) Diethyl Ether	2.379	74	4871	2.635	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.584	101	7619	2.638	ug/l	93
10) Methyl Iodide	2.726	142	6225	2.237	ug/l	97
11) Tert butyl alcohol	3.179	59	10854	12.255	ug/l #	53
12) 1,1-Dichloroethene	2.581	96	7301	2.591	ug/l	90
13) Acrolein	2.488	56	6615	14.829	ug/l	97
14) Allyl chloride	2.925	41	10653	2.660	ug/l	97
15) Acrylonitrile	3.317	53	25711	12.101	ug/l	99
16) Acetone	2.626	43	23499	10.198	ug/l	99
17) Carbon Disulfide	2.797	76	21552	2.596	ug/l	98
18) Methyl Acetate	2.951	43	12280	2.848	ug/l	99
19) Methyl tert-butyl Ether	3.366	73	22448	2.527	ug/l	98
20) Methylene Chloride	3.051	84	9240	2.700	ug/l	98
21) trans-1,2-Dichloroethene	3.359	96	7838	2.550	ug/l	96
22) Diisopropyl ether	3.993	45	19809	2.487	ug/l	96
23) Vinyl Acetate	3.961	43	82744m	11.450	ug/l	
24) 1,1-Dichloroethane	3.874	63	14578	2.782	ug/l	98
25) 2-Butanone	4.707	43	32263	11.118	ug/l	98
26) 2,2-Dichloropropane	4.668	77	11539	2.485	ug/l	100
27) cis-1,2-Dichloroethene	4.671	96	9088	2.605	ug/l	97
28) Bromochloromethane	4.980	49	4671	2.492	ug/l #	93
29) Tetrahydrofuran	5.054	42	20460	11.392	ug/l	99
30) Chloroform	5.089	83	14980	2.654	ug/l	92
31) Cyclohexane	5.385	56	16102	3.417	ug/l #	80
32) 1,1,1-Trichloroethane	5.321	97	13380	2.748	ug/l	93
36) 1,1-Dichloropropene	5.533	75	10985	2.617	ug/l	99
37) Ethyl Acetate	4.809	43	12174	2.154	ug/l #	94
38) Carbon Tetrachloride	5.526	117	11638	2.599	ug/l	99
39) Methylcyclohexane	6.764	83	11820	2.303	ug/l	93
40) Benzene	5.777	78	32679	2.619	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.980	41	5865	2.298	ug/l	96
42) 1,2-Dichloroethane	5.797	62	11908	2.741	ug/l	100
43) Isopropyl Acetate	5.915	43	17278	2.436	ug/l	99
44) Trichloroethene	6.546	130	9165	2.534	ug/l	97
45) 1,2-Dichloropropane	6.793	63	7748	2.466	ug/l	95
46) Dibromomethane	6.919	93	6328	2.551	ug/l	94
47) Bromodichloromethane	7.108	83	12093	2.648	ug/l	96
48) Methyl methacrylate	6.960	41	7046	2.169	ug/l	96
49) 1,4-Dioxane	6.967	88	4700	47.369	ug/l #	7
51) 4-Methyl-2-Pentanone	7.790	43	55650	10.716	ug/l	100
52) Toluene	7.970	92	20878	2.616	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	11720	2.302	ug/l	96
54) cis-1,3-Dichloropropene	7.607	75	12137	2.321	ug/l	99
55) 1,1,2-Trichloroethane	8.401	97	9176	2.688	ug/l #	91
56) Ethyl methacrylate	8.333	69	10430	2.128	ug/l	97
57) 1,3-Dichloropropane	8.575	76	14381	2.589	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.468	63	3138	8.979	ug/l	100
59) 2-Hexanone	8.684	43	44688	10.493	ug/l	96
60) Dibromochloromethane	8.809	129	9665	2.466	ug/l	97
61) 1,2-Dibromoethane	8.925	107	9912	2.558	ug/l	94
64) Tetrachloroethene	8.555	164	8191	2.557	ug/l	94
65) Chlorobenzene	9.446	112	23408	2.535	ug/l	91
66) 1,1,1,2-Tetrachloroethane	9.536	131	8651	2.543	ug/l	99
67) Ethyl Benzene	9.571	91	36185	2.393	ug/l	97
68) m/p-Xylenes	9.693	106	27429	4.613	ug/l	99
69) o-Xylene	10.099	106	13281	2.332	ug/l	94
70) Styrene	10.115	104	21163	2.237	ug/l	98
71) Bromoform	10.291	173	7988	2.297	ug/l #	98
73) Isopropylbenzene	10.484	105	33693	2.455	ug/l	98
74) N-amyl acetate	10.320	43	11309	2.085	ug/l	94
75) 1,1,2,2-Tetrachloroethane	10.783	83	15858	2.767	ug/l	98
76) 1,2,3-Trichloropropane	10.825	75	15770	2.400	ug/l	93
77) Bromobenzene	10.783	156	11322	2.870	ug/l	96
78) n-propylbenzene	10.906	91	40682	2.481	ug/l	98
79) 2-Chlorotoluene	10.986	91	25341	2.572	ug/l	99
80) 1,3,5-Trimethylbenzene	11.089	105	28282	2.444	ug/l	96
81) trans-1,4-Dichloro-2-b...	10.546	75	3722	2.016	ug/l	89
82) 4-Chlorotoluene	11.099	91	29026	2.535	ug/l	97
83) tert-Butylbenzene	11.420	119	27235	2.289	ug/l	98
84) 1,2,4-Trimethylbenzene	11.468	105	26298	2.286	ug/l	99
85) sec-Butylbenzene	11.645	105	33379	2.298	ug/l	99
86) p-Isopropyltoluene	11.793	119	27031	2.171	ug/l	96
87) 1,3-Dichlorobenzene	11.748	146	20168	2.568	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	21785	2.708	ug/l	94
89) n-Butylbenzene	12.211	91	25936	2.229	ug/l	94
90) Hexachloroethane	12.478	117	6150	2.442	ug/l	96
91) 1,2-Dichlorobenzene	12.214	146	19383	2.540	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	13.002	75	3743	2.621	ug/l	94
93) 1,2,4-Trichlorobenzene	13.844	180	12947	2.393	ug/l	97
94) Hexachlorobutadiene	14.024	225	6662	2.440	ug/l	95
95) Naphthalene	14.092	128	32920	2.042	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	13050	2.473	ug/l	96

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

