

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040222\
 Data File : VU047800.D
 Acq On : 02 Apr 2022 14:55
 Operator : SY/MD
 Sample : MDL05 2.5ppb
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05 2.5ppb

Quant Time: Apr 04 09:26:54 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	292492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	441683	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	430712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	240008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	172304	54.911	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.820%			
35) Dibromofluoromethane	5.292	113	156888	52.966	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.940%			
50) Toluene-d8	7.899	98	539965	50.599	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.200%			
62) 4-Bromofluorobenzene	10.632	95	194497	46.799	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	7809	2.385	ug/l	96
3) Chloromethane	1.523	50	9002	2.466	ug/l	97
4) Vinyl Chloride	1.607	62	8927	2.605	ug/l	98
5) Bromomethane	1.854	94	6869	3.043	ug/l	99
6) Chloroethane	1.935	64	5563	2.480	ug/l	97
7) Trichlorofluoromethane	2.141	101	12262	2.558	ug/l	99
8) Diethyl Ether	2.379	74	4931	2.687	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.584	101	7623	2.659	ug/l	98
10) Methyl Iodide	2.723	142	6069	2.197	ug/l	99
11) Tert butyl alcohol	3.179	59	10542m	11.989	ug/l	
12) 1,1-Dichloroethene	2.581	96	7026	2.511	ug/l	96
13) Acrolein	2.485	56	6534	14.753	ug/l	97
14) Allyl chloride	2.928	41	10569	2.658	ug/l	97
15) Acrylonitrile	3.314	53	24978	11.841	ug/l	99
16) Acetone	2.626	43	22712	9.927	ug/l	99
17) Carbon Disulfide	2.797	76	21326	2.587	ug/l	98
18) Methyl Acetate	2.951	43	11800	2.756	ug/l	98
19) Methyl tert-butyl Ether	3.366	73	22443	2.545	ug/l	98
20) Methylene Chloride	3.051	84	8869	2.610	ug/l	98
21) trans-1,2-Dichloroethene	3.356	96	8000	2.622	ug/l	95
22) Diisopropyl ether	3.996	45	19849	2.510	ug/l	93
23) Vinyl Acetate	3.961	43	82083	11.441	ug/l	99
24) 1,1-Dichloroethane	3.870	63	14135	2.717	ug/l	96
25) 2-Butanone	4.706	43	30960	10.746	ug/l	95
26) 2,2-Dichloropropane	4.671	77	11451	2.484	ug/l	99
27) cis-1,2-Dichloroethene	4.671	96	9237	2.666	ug/l	99
28) Bromochloromethane	4.977	49	4448	2.390	ug/l #	100
29) Tetrahydrofuran	5.051	42	20132	11.291	ug/l	98
30) Chloroform	5.092	83	14720	2.626	ug/l	95
31) Cyclohexane	5.385	56	15758	3.368	ug/l #	74
32) 1,1,1-Trichloroethane	5.321	97	13347	2.762	ug/l	92
36) 1,1-Dichloropropene	5.530	75	10078	2.410	ug/l #	88
37) Ethyl Acetate	4.806	43	11206	1.990	ug/l #	93
38) Carbon Tetrachloride	5.526	117	11258	2.524	ug/l	89
39) Methylcyclohexane	6.767	83	12057	2.358	ug/l	96
40) Benzene	5.777	78	32454	2.611	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.977	41	5679	2.234	ug/l	98
42) 1,2-Dichloroethane	5.796	62	11653	2.693	ug/l	97
43) Isopropyl Acetate	5.912	43	16459	2.329	ug/l	99
44) Trichloroethene	6.542	130	9121	2.531	ug/l	98
45) 1,2-Dichloropropane	6.793	63	8027	2.565	ug/l	99
46) Dibromomethane	6.922	93	6194	2.506	ug/l	94
47) Bromodichloromethane	7.108	83	11734	2.579	ug/l	96
48) Methyl methacrylate	6.964	41	7636	2.360	ug/l	98
49) 1,4-Dioxane	6.967	88	4569	46.227	ug/l #	3
51) 4-Methyl-2-Pentanone	7.793	43	55407	10.711	ug/l	97
52) Toluene	7.970	92	20694	2.603	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	12023	2.371	ug/l	89
54) cis-1,3-Dichloropropene	7.610	75	12663	2.431	ug/l	97
55) 1,1,2-Trichloroethane	8.401	97	8860	2.606	ug/l	94
56) Ethyl methacrylate	8.333	69	10352	2.121	ug/l	96
57) 1,3-Dichloropropane	8.578	76	13919	2.516	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.465	63	3311	9.511	ug/l	99
59) 2-Hexanone	8.684	43	43668	10.293	ug/l	96
60) Dibromochloromethane	8.809	129	9449	2.420	ug/l	100
61) 1,2-Dibromoethane	8.925	107	9441	2.446	ug/l	97
64) Tetrachloroethene	8.555	164	7856	2.466	ug/l	91
65) Chlorobenzene	9.449	112	22737	2.476	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.536	131	8327	2.461	ug/l	94
67) Ethyl Benzene	9.571	91	36163	2.405	ug/l	97
68) m/p-Xylenes	9.693	106	27526	4.655	ug/l	97
69) o-Xylene	10.102	106	12765	2.254	ug/l	93
70) Styrene	10.115	104	20181	2.145	ug/l	98
71) Bromoform	10.291	173	7725	2.234	ug/l #	95
73) Isopropylbenzene	10.484	105	32637	2.325	ug/l	100
74) N-amyl acetate	10.320	43	11481	2.070	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.783	83	15438	2.634	ug/l	97
76) 1,2,3-Trichloropropane	10.825	75	15952	2.374	ug/l	98
77) Bromobenzene	10.783	156	10634	2.636	ug/l	98
78) n-propylbenzene	10.906	91	40178	2.396	ug/l	100
79) 2-Chlorotoluene	10.986	91	24607	2.442	ug/l	99
80) 1,3,5-Trimethylbenzene	11.089	105	26900	2.273	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	3654	1.936	ug/l	92
82) 4-Chlorotoluene	11.098	91	28333	2.420	ug/l	100
83) tert-Butylbenzene	11.420	119	27905	2.293	ug/l	99
84) 1,2,4-Trimethylbenzene	11.468	105	26266	2.233	ug/l	100
85) sec-Butylbenzene	11.645	105	32647	2.198	ug/l	100
86) p-Isopropyltoluene	11.793	119	27199	2.136	ug/l	96
87) 1,3-Dichlorobenzene	11.748	146	20022	2.493	ug/l	99
88) 1,4-Dichlorobenzene	11.835	146	21014	2.555	ug/l	89
89) n-Butylbenzene	12.211	91	25919	2.178	ug/l	99
90) Hexachloroethane	12.475	117	6332	2.458	ug/l	99
91) 1,2-Dichlorobenzene	12.214	146	20170	2.584	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.999	75	3524	2.413	ug/l	95
93) 1,2,4-Trichlorobenzene	13.841	180	12514	2.262	ug/l	99
94) Hexachlorobutadiene	14.021	225	6529	2.339	ug/l	95
95) Naphthalene	14.089	128	33803	2.050	ug/l	100
96) 1,2,3-Trichlorobenzene	14.333	180	12880	2.387	ug/l	98

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

