

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110921\
 Data File : VU045651.D
 Acq On : 09 Nov 2021 12:22
 Operator : SY/MD
 Sample : VU1109WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2021
 Supervised By : Mahesh Dadoda 11/16/2021

Quant Time: Nov 10 01:58:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.376	168	137022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	241354	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	230118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	114868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.704	65	109295	53.261	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.520%			
35) Dibromofluoromethane	5.292	113	85307	52.940	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.880%			
50) Toluene-d8	7.900	98	318260	53.115	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.220%			
62) 4-Bromofluorobenzene	10.636	95	120168	50.013	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	35507	19.986	ug/l	99
3) Chloromethane	1.520	50	39879	19.619	ug/l	99
4) Vinyl Chloride	1.604	62	41534	20.976	ug/l	100
5) Bromomethane	1.852	94	24997	22.633	ug/l	99
6) Chloroethane	1.932	64	25320	19.594	ug/l	99
7) Trichlorofluoromethane	2.138	101	54644	20.869	ug/l	98
8) Diethyl Ether	2.376	74	21810	21.042	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.581	101	32694	21.383	ug/l	98
10) Methyl Iodide	2.723	142	34314	17.150	ug/l	92
11) Tert butyl alcohol	3.173	59	45127	111.104	ug/l	98
12) 1,1-Dichloroethene	2.581	96	30231	20.054	ug/l	97
13) Acrolein	2.485	56	6082	103.331	ug/l	98
14) Allyl chloride	2.926	41	54602	20.285	ug/l	99
15) Acrylonitrile	3.315	53	114068	105.187	ug/l	98
16) Acetone	2.623	43	106020	101.493	ug/l	98
17) Carbon Disulfide	2.794	76	79116	18.737	ug/l	100
18) Methyl Acetate	2.948	43	73089	20.543	ug/l	100
19) Methyl tert-butyl Ether	3.366	73	115038	21.200	ug/l	98
20) Methylene Chloride	3.048	84	36868	20.312	ug/l	98
21) trans-1,2-Dichloroethene	3.353	96	33206	21.173	ug/l	96
22) Diisopropyl ether	3.996	45	114464	21.657	ug/l	93
23) Vinyl Acetate	3.958	43	435120	107.042	ug/l	99
24) 1,1-Dichloroethane	3.874	63	65609	20.832	ug/l	99
25) 2-Butanone	4.700	43	153106	105.676	ug/l	98
26) 2,2-Dichloropropane	4.668	77	54343	20.822	ug/l	98
27) cis-1,2-Dichloroethene	4.671	96	38807	21.068	ug/l	100
28) Bromochloromethane	4.977	49	27646	18.412	ug/l	98
29) Tetrahydrofuran	5.051	42	93591	105.607	ug/l	99
30) Chloroform	5.089	83	66595	21.380	ug/l	99
31) Cyclohexane	5.392	56	60589	20.236	ug/l	94
32) 1,1,1-Trichloroethane	5.321	97	56791	21.380	ug/l	97
36) 1,1-Dichloropropene	5.530	75	48257	20.505	ug/l	99
37) Ethyl Acetate	4.803	43	56393	20.860	ug/l	99
38) Carbon Tetrachloride	5.527	117	48317	20.365	ug/l	96
39) Methylcyclohexane	6.768	83	57162	19.799	ug/l	95
40) Benzene	5.777	78	141549	20.316	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.974	41	30528	21.369	ug/l	99
42) 1,2-Dichloroethane	5.797	62	53660	21.321	ug/l	99
43) Isopropyl Acetate	5.913	43	85638	20.711	ug/l	100
44) Trichloroethene	6.546	130	34655	20.779	ug/l	95
45) 1,2-Dichloropropane	6.797	63	38987	21.147	ug/l	97
46) Dibromomethane	6.922	93	26383	20.653	ug/l	99
47) Bromodichloromethane	7.109	83	50927	21.011	ug/l	98
48) Methyl methacrylate	6.961	41	39997	21.016	ug/l	98
49) 1,4-Dioxane	6.964	88	22081	451.157	ug/l #	93
51) 4-Methyl-2-Pentanone	7.793	43	284673	104.367	ug/l	99
52) Toluene	7.974	92	89821	21.057	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	55708	19.998	ug/l	97
54) cis-1,3-Dichloropropene	7.610	75	61277	20.711	ug/l	95
55) 1,1,2-Trichloroethane	8.404	97	37440	21.177	ug/l	98
56) Ethyl methacrylate	8.337	69	57543	19.691	ug/l	99
57) 1,3-Dichloropropane	8.578	76	66218	20.796	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.466	63	127376	78.260	ug/l	99
59) 2-Hexanone	8.684	43	221374	97.997	ug/l	98
60) Dibromochloromethane	8.813	129	38405	20.862	ug/l	99
61) 1,2-Dibromoethane	8.925	107	39490	20.827	ug/l	98
64) Tetrachloroethene	8.556	164	29548	22.372	ug/l	98
65) Chlorobenzene	9.449	112	93205	20.620	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.536	131	33329	20.674	ug/l	99
67) Ethyl Benzene	9.572	91	169976	20.998	ug/l	100
68) m/p-Xylenes	9.697	106	129875	42.543	ug/l	100
69) o-Xylene	10.102	106	65207	21.970	ug/l	97
70) Styrene	10.115	104	105962	21.104	ug/l	99
71) Bromoform	10.292	173	27153	19.784	ug/l #	100
73) Isopropylbenzene	10.488	105	168097	22.397	ug/l	100
74) N-amyl acetate	10.321	43	71037	20.981	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.787	83	63166	21.242	ug/l	99
76) 1,2,3-Trichloropropane	10.826	75	56966m	16.353	ug/l	
77) Bromobenzene	10.784	156	39411	21.628	ug/l	97
78) n-propylbenzene	10.909	91	202540	21.682	ug/l	99
79) 2-Chlorotoluene	10.990	91	121484	22.013	ug/l	99
80) 1,3,5-Trimethylbenzene	11.089	105	144819	22.084	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	19081	19.863	ug/l	100
82) 4-Chlorotoluene	11.099	91	139723	21.588	ug/l	98
83) tert-Butylbenzene	11.424	119	138288	22.123	ug/l	98
84) 1,2,4-Trimethylbenzene	11.472	105	142964	21.936	ug/l	99
85) sec-Butylbenzene	11.645	105	181713	21.919	ug/l	100
86) p-Isopropyltoluene	11.797	119	149491	21.579	ug/l	100
87) 1,3-Dichlorobenzene	11.748	146	75520	20.540	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	75116	20.200	ug/l	97
89) n-Butylbenzene	12.211	91	134680	20.182	ug/l	98
90) Hexachloroethane	12.478	117	25583	20.471	ug/l	99
91) 1,2-Dichlorobenzene	12.215	146	75600	21.134	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	14035	20.003	ug/l	98
93) 1,2,4-Trichlorobenzene	13.841	180	47749	19.306	ug/l	98
94) Hexachlorobutadiene	14.025	225	20474	19.177	ug/l	99
95) Naphthalene	14.089	128	175833	19.550	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	49031	19.958	ug/l	97

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

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