

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110821\
 Data File : VU045631.D
 Acq On : 08 Nov 2021 21:41
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/09/2021
 Supervised By : Mahesh Dadoda 11/15/2021

Quant Time: Nov 09 10:05:27 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	142953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	259382	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	246717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.813	152	126866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.704	65	110293	51.518	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.040%			
35) Dibromofluoromethane	5.292	113	85896	49.601	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.200%			
50) Toluene-d8	7.900	98	324932	50.459	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.920%			
62) 4-Bromofluorobenzene	10.633	95	125834	48.731	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	84980	45.849	ug/l	98
3) Chloromethane	1.520	50	92836	43.776	ug/l	100
4) Vinyl Chloride	1.604	62	100111	48.461	ug/l	100
5) Bromomethane	1.845	94	62307	54.075	ug/l	99
6) Chloroethane	1.929	64	61484	45.606	ug/l	98
7) Trichlorofluoromethane	2.135	101	130295	47.697	ug/l	100
8) Diethyl Ether	2.376	74	54286	50.202	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.578	101	75326	47.223	ug/l	97
10) Methyl Iodide	2.723	142	88626	42.457	ug/l	93
11) Tert butyl alcohol	3.176	59	113503	267.854	ug/l	99
12) 1,1-Dichloroethene	2.578	96	75281	47.866	ug/l	98
13) Acrolein	2.485	56	17925	291.906	ug/l	99
14) Allyl chloride	2.922	41	134046	47.733	ug/l	98
15) Acrylonitrile	3.311	53	287431	254.056	ug/l	98
16) Acetone	2.623	43	224981	206.439	ug/l	100
17) Carbon Disulfide	2.794	76	195616	44.406	ug/l	100
18) Methyl Acetate	2.948	43	183768	49.508	ug/l	100
19) Methyl tert-butyl Ether	3.366	73	286538	50.614	ug/l	98
20) Methylene Chloride	3.048	84	91172	48.146	ug/l	98
21) trans-1,2-Dichloroethene	3.353	96	81869	50.036	ug/l	96
22) Diisopropyl ether	3.996	45	281192	50.996	ug/l	92
23) Vinyl Acetate	3.958	43	1094701	258.130	ug/l	100
24) 1,1-Dichloroethane	3.874	63	164560	50.082	ug/l	100
25) 2-Butanone	4.700	43	374673	247.876	ug/l	100
26) 2,2-Dichloropropane	4.668	77	122531	45.002	ug/l	99
27) cis-1,2-Dichloroethene	4.668	96	99917	51.993	ug/l	97
28) Bromochloromethane	4.977	49	77078	49.204	ug/l	96
29) Tetrahydrofuran	5.051	42	237646	257.032	ug/l	99
30) Chloroform	5.089	83	164677	50.675	ug/l	98
31) Cyclohexane	5.392	56	142196	45.521	ug/l	96
32) 1,1,1-Trichloroethane	5.321	97	141102	50.917	ug/l	98
36) 1,1-Dichloropropene	5.530	75	116339	45.999	ug/l	98
37) Ethyl Acetate	4.803	43	141609	48.742	ug/l	99
38) Carbon Tetrachloride	5.527	117	119455	46.848	ug/l	99
39) Methylcyclohexane	6.765	83	136313	43.932	ug/l	96
40) Benzene	5.774	78	347160	46.362	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.974	41	77224	50.298	ug/l	99
42) 1,2-Dichloroethane	5.797	62	131522	48.627	ug/l	99
43) Isopropyl Acetate	5.912	43	219460	49.386	ug/l	99
44) Trichloroethene	6.543	130	85763	47.849	ug/l	99
45) 1,2-Dichloropropane	6.793	63	97049	48.982	ug/l	97
46) Dibromomethane	6.919	93	65699	47.857	ug/l	98
47) Bromodichloromethane	7.109	83	128037	49.153	ug/l	96
48) Methyl methacrylate	6.961	41	101495	49.623	ug/l	96
49) 1,4-Dioxane	6.961	88	53877	1024.300	ug/l #	92
51) 4-Methyl-2-Pentanone	7.793	43	728794	248.620	ug/l	99
52) Toluene	7.970	92	223778	48.814	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	145108	48.471	ug/l	99
54) cis-1,3-Dichloropropene	7.610	75	154660	48.639	ug/l	96
55) 1,1,2-Trichloroethane	8.401	97	92329	48.595	ug/l	98
56) Ethyl methacrylate	8.334	69	153249	45.213	ug/l	98
57) 1,3-Dichloropropane	8.578	76	164336	48.023	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.465	63	363116	207.593	ug/l	97
59) 2-Hexanone	8.684	43	561698	221.114	ug/l	99
60) Dibromochloromethane	8.813	129	99078	50.080	ug/l	99
61) 1,2-Dibromoethane	8.925	107	99461	48.809	ug/l	98
64) Tetrachloroethene	8.555	164	70012	49.442	ug/l	99
65) Chlorobenzene	9.449	112	236644	48.831	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.536	131	86027	49.773	ug/l	98
67) Ethyl Benzene	9.572	91	431556	49.727	ug/l	100
68) m/p-Xylenes	9.697	106	328905	100.491	ug/l	100
69) o-Xylene	10.102	106	162511	51.072	ug/l	99
70) Styrene	10.115	104	275341	51.148	ug/l	98
71) Bromoform	10.292	173	72754	44.815	ug/l #	100
73) Isopropylbenzene	10.488	105	425491	51.330	ug/l	100
74) N-amyl acetate	10.321	43	192200	51.397	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.784	83	159246	48.488	ug/l	99
76) 1,2,3-Trichloropropane	10.829	75	148368m	38.564	ug/l	
77) Bromobenzene	10.784	156	101437	50.401	ug/l	96
78) n-propylbenzene	10.909	91	509817	49.416	ug/l	99
79) 2-Chlorotoluene	10.986	91	300973	49.378	ug/l	99
80) 1,3,5-Trimethylbenzene	11.089	105	363911	50.247	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	49229	42.402	ug/l	96
82) 4-Chlorotoluene	11.099	91	353138	49.401	ug/l	99
83) tert-Butylbenzene	11.424	119	349843	50.673	ug/l	98
84) 1,2,4-Trimethylbenzene	11.469	105	365945	50.840	ug/l	100
85) sec-Butylbenzene	11.645	105	451777	49.341	ug/l	99
86) p-Isopropyltoluene	11.797	119	376389	49.192	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	190071	46.807	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	194249	47.297	ug/l	99
89) n-Butylbenzene	12.211	91	343223	46.567	ug/l	99
90) Hexachloroethane	12.478	117	67016	48.552	ug/l	99
91) 1,2-Dichlorobenzene	12.214	146	194053	49.118	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	38688	49.924	ug/l	95
93) 1,2,4-Trichlorobenzene	13.841	180	129857	47.538	ug/l	99
94) Hexachlorobutadiene	14.025	225	48640	41.250	ug/l	98
95) Naphthalene	14.089	128	488716	47.639	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	132452	48.816	ug/l	99

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

