

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045933.D
 Acq On : 22 Nov 2021 23:31
 Operator : SY/MD
 Sample : VU1122WBS02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1122WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/23/2021
 Supervised By : Mahesh Dadoda 11/23/2021

Quant Time: Nov 23 05:21:41 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	5.379	168	100225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	173547	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	173698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	91816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	76986	51.290	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.580%			
35) Dibromofluoromethane	5.292	113	59425	51.287	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.580%			
50) Toluene-d8	7.899	98	232783	54.028	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.060%			
62) 4-Bromofluorobenzene	10.632	95	90752	52.527	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	27179	20.915	ug/l	99
3) Chloromethane	1.520	50	26640	17.917	ug/l	100
4) Vinyl Chloride	1.607	62	28467	19.655	ug/l	100
5) Bromomethane	1.861	94	18590	23.012	ug/l	98
6) Chloroethane	1.938	64	17412	18.421	ug/l	99
7) Trichlorofluoromethane	2.144	101	39270	20.504	ug/l	97
8) Diethyl Ether	2.379	74	15327	20.217	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.584	101	22422	20.049	ug/l	96
10) Methyl Iodide	2.729	142	20742	14.173	ug/l	92
11) Tert butyl alcohol	3.282	59	31570m	106.263	ug/l	
12) 1,1-Dichloroethene	2.584	96	22245	20.174	ug/l	95
13) Acrolein	2.504	56	4577	106.312	ug/l	91
14) Allyl chloride	2.929	41	35508	18.035	ug/l	95
15) Acrylonitrile	3.327	53	89976	113.433	ug/l	99
16) Acetone	2.658	43	74952	98.095	ug/l	96
17) Carbon Disulfide	2.800	76	61394	19.878	ug/l	99
18) Methyl Acetate	2.961	43	51691	19.862	ug/l	99
19) Methyl tert-butyl Ether	3.366	73	78221	19.707	ug/l	95
20) Methylene Chloride	3.051	84	26532	19.984	ug/l	93
21) trans-1,2-Dichloroethene	3.356	96	24620	21.462	ug/l	88
22) Diisopropyl ether	3.993	45	75143	19.437	ug/l #	80
23) Vinyl Acetate	3.961	43	294799	99.149	ug/l	98
24) 1,1-Dichloroethane	3.874	63	46640	20.246	ug/l	100
25) 2-Butanone	4.719	43	112069	105.751	ug/l	99
26) 2,2-Dichloropropane	4.671	77	34378	18.009	ug/l	99
27) cis-1,2-Dichloroethene	4.671	96	27749	20.595	ug/l	96
28) Bromochloromethane	4.980	49	30808	28.051	ug/l	89
29) Tetrahydrofuran	5.063	42	72089	111.210	ug/l	97
30) Chloroform	5.092	83	46643	20.472	ug/l	99
31) Cyclohexane	5.391	56	40610	18.543	ug/l	92
32) 1,1,1-Trichloroethane	5.321	97	40466	20.827	ug/l	97
36) 1,1-Dichloropropene	5.530	75	34898	20.623	ug/l	99
37) Ethyl Acetate	4.806	43	43334	22.293	ug/l	98
38) Carbon Tetrachloride	5.530	117	34374	20.149	ug/l	96
39) Methylcyclohexane	6.768	83	39694	19.120	ug/l	94
40) Benzene	5.777	78	101279	20.215	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.980	41	22450	21.854	ug/l	98
42) 1,2-Dichloroethane	5.797	62	37474	20.708	ug/l	99
43) Isopropyl Acetate	5.912	43	58643	19.724	ug/l	97
44) Trichloroethene	6.546	130	27224	22.701	ug/l	94
45) 1,2-Dichloropropane	6.793	63	26572	20.044	ug/l	98
46) Dibromomethane	6.922	93	19265	20.974	ug/l	96
47) Bromodichloromethane	7.108	83	36200	20.771	ug/l	96
48) Methyl methacrylate	6.960	41	26288	19.210	ug/l	94
49) 1,4-Dioxane	7.073	88	14865m	422.388	ug/l	
51) 4-Methyl-2-Pentanone	7.793	43	205900	104.981	ug/l	98
52) Toluene	7.970	92	65350	21.306	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	39053	19.497	ug/l	98
54) cis-1,3-Dichloropropene	7.610	75	41916	19.702	ug/l	94
55) 1,1,2-Trichloroethane	8.401	97	26916	21.173	ug/l	99
56) Ethyl methacrylate	8.333	69	38752	18.596	ug/l	93
57) 1,3-Dichloropropane	8.578	76	46717	20.404	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.465	63	131659	112.497	ug/l	97
59) 2-Hexanone	8.687	43	157382	96.975	ug/l	100
60) Dibromochloromethane	8.813	129	27708	20.932	ug/l	100
61) 1,2-Dibromoethane	8.925	107	28425	20.848	ug/l	98
64) Tetrachloroethene	8.555	164	26233	26.313	ug/l	96
65) Chlorobenzene	9.449	112	68010	19.933	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.536	131	23835	19.587	ug/l	98
67) Ethyl Benzene	9.571	91	122009	19.969	ug/l	100
68) m/p-Xylenes	9.697	106	96077	41.695	ug/l	98
69) o-Xylene	10.102	106	45829	20.457	ug/l	100
70) Styrene	10.115	104	76556	20.200	ug/l	99
71) Bromoform	10.292	173	20404	19.709	ug/l #	99
73) Isopropylbenzene	10.484	105	121126	20.190	ug/l	99
74) N-amyl acetate	10.320	43	41932	15.494	ug/l	94
75) 1,1,2,2-Tetrachloroethane	10.783	83	45790	19.265	ug/l	99
76) 1,2,3-Trichloropropane	10.825	75	51501	18.496	ug/l	92
77) Bromobenzene	10.783	156	30107	20.670	ug/l	92
78) n-propylbenzene	10.906	91	148077	19.832	ug/l	99
79) 2-Chlorotoluene	10.986	91	88943	20.162	ug/l	99
80) 1,3,5-Trimethylbenzene	11.089	105	103257	19.700	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.546	75	11727	15.964	ug/l	96
82) 4-Chlorotoluene	11.099	91	103695	20.044	ug/l	97
83) tert-Butylbenzene	11.423	119	94688	18.951	ug/l	99
84) 1,2,4-Trimethylbenzene	11.468	105	101798	19.541	ug/l	100
85) sec-Butylbenzene	11.645	105	129347	19.519	ug/l	99
86) p-Isopropyltoluene	11.793	119	106863	19.298	ug/l	99
87) 1,3-Dichlorobenzene	11.745	146	57522	19.573	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	58539	19.695	ug/l	98
89) n-Butylbenzene	12.211	91	95717	17.944	ug/l	99
90) Hexachloroethane	12.475	117	15452	15.468	ug/l	95
91) 1,2-Dichlorobenzene	12.214	146	56835	19.878	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.996	75	10243	18.264	ug/l	92
93) 1,2,4-Trichlorobenzene	13.841	180	36942	18.686	ug/l	98
94) Hexachlorobutadiene	14.021	225	16095	18.860	ug/l	100
95) Naphthalene	14.086	128	131239	18.324	ug/l	99
96) 1,2,3-Trichlorobenzene	14.330	180	38214	19.461	ug/l	99

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

