

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110821\
 Data File : VU045604.D
 Acq On : 08 Nov 2021 10:52
 Operator : SY/MD
 Sample : VU1108WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1108WBS01

Manual Integrations
 APPROVED

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

Quant Time: Nov 08 14:57:24 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	129214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	227850	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	220483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	112026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	102212	52.819	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.640%			
35) Dibromofluoromethane	5.292	113	77781	51.130	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.260%			
50) Toluene-d8	7.903	98	302149	53.414	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.820%			
62) 4-Bromofluorobenzene	10.636	95	116313	51.277	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	36115	21.557	ug/l	96
3) Chloromethane	1.523	50	39403	20.556	ug/l	100
4) Vinyl Chloride	1.607	62	39212	21.000	ug/l	98
5) Bromomethane	1.855	94	25043	24.045	ug/l	96
6) Chloroethane	1.935	64	25011	20.524	ug/l	98
7) Trichlorofluoromethane	2.141	101	50582	20.485	ug/l	97
8) Diethyl Ether	2.379	74	20834	21.315	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.584	101	30147	20.909	ug/l	96
10) Methyl Iodide	2.726	142	33278	17.637	ug/l	92
11) Tert butyl alcohol	3.173	59	40875	106.717	ug/l	100
12) 1,1-Dichloroethene	2.584	96	28666	20.165	ug/l	100
13) Acrolein	2.488	56	4737	85.343	ug/l	98
14) Allyl chloride	2.929	41	52276	20.595	ug/l	99
15) Acrylonitrile	3.314	53	107507	105.128	ug/l	99
16) Acetone	2.623	43	109928	111.594	ug/l	97
17) Carbon Disulfide	2.797	76	78351	19.677	ug/l	99
18) Methyl Acetate	2.948	43	70983	21.156	ug/l	99
19) Methyl tert-butyl Ether	3.366	73	105013	20.522	ug/l	99
20) Methylene Chloride	3.051	84	34091	19.917	ug/l	96
21) trans-1,2-Dichloroethene	3.356	96	30759	20.798	ug/l	96
22) Diisopropyl ether	3.996	45	107898	21.649	ug/l	95
23) Vinyl Acetate	3.957	43	407347	106.265	ug/l	100
24) 1,1-Dichloroethane	3.877	63	62087	20.904	ug/l	98
25) 2-Butanone	4.703	43	151679	111.018	ug/l	100
26) 2,2-Dichloropropane	4.671	77	51234	20.817	ug/l	97
27) cis-1,2-Dichloroethene	4.671	96	35927	20.683	ug/l	97
28) Bromochloromethane	4.977	49	29850	21.081	ug/l	99
29) Tetrahydrofuran	5.051	42	89289	106.841	ug/l	98
30) Chloroform	5.092	83	61654	20.990	ug/l	99
31) Cyclohexane	5.391	56	58254	20.631	ug/l	96
32) 1,1,1-Trichloroethane	5.321	97	53061	21.183	ug/l	98
36) 1,1-Dichloropropene	5.530	75	46539	20.947	ug/l	98
37) Ethyl Acetate	4.803	43	53911	21.124	ug/l	99
38) Carbon Tetrachloride	5.530	117	45681	20.395	ug/l	99
39) Methylcyclohexane	6.768	83	55150	20.234	ug/l	97
40) Benzene	5.777	78	133460	20.290	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	28940	21.458	ug/l	98
42) 1,2-Dichloroethane	5.797	62	50185	21.122	ug/l	99
43) Isopropyl Acetate	5.912	43	80445	20.608	ug/l	99
44) Trichloroethene	6.546	130	31486	19.998	ug/l	98
45) 1,2-Dichloropropane	6.793	63	36279	20.845	ug/l	99
46) Dibromomethane	6.922	93	24691	20.474	ug/l	99
47) Bromodichloromethane	7.108	83	48352	21.131	ug/l	100
48) Methyl methacrylate	6.961	41	36688	20.420	ug/l	98
49) 1,4-Dioxane	6.964	88	19435	420.629	ug/l #	98
51) 4-Methyl-2-Pentanone	7.793	43	268814	104.394	ug/l	99
52) Toluene	7.973	92	84152	20.897	ug/l	100
53) t-1,3-Dichloropropene	8.214	75	53059	20.176	ug/l	97
54) cis-1,3-Dichloropropene	7.610	75	56796	20.334	ug/l	96
55) 1,1,2-Trichloroethane	8.404	97	35041	20.995	ug/l	99
56) Ethyl methacrylate	8.337	69	53243	19.347	ug/l	99
57) 1,3-Dichloropropane	8.578	76	61643	20.506	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.465	63	147035	95.693	ug/l	100
59) 2-Hexanone	8.684	43	211682	99.163	ug/l	98
60) Dibromochloromethane	8.813	129	35543	20.452	ug/l	99
61) 1,2-Dibromoethane	8.925	107	36647	20.473	ug/l	99
64) Tetrachloroethene	8.555	164	26386	20.851	ug/l	96
65) Chlorobenzene	9.449	112	87137	20.120	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.536	131	31548	20.425	ug/l	99
67) Ethyl Benzene	9.571	91	158528	20.440	ug/l	99
68) m/p-Xylenes	9.697	106	122898	42.017	ug/l	100
69) o-Xylene	10.102	106	59518	20.930	ug/l	99
70) Styrene	10.118	104	98488	20.472	ug/l	100
71) Bromoform	10.295	173	25316	19.334	ug/l #	98
73) Isopropylbenzene	10.488	105	158506	21.655	ug/l	100
74) N-amyl acetate	10.321	43	67464	20.431	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.787	83	59504	20.518	ug/l	99
76) 1,2,3-Trichloropropane	10.829	75	52285m	15.390	ug/l	
77) Bromobenzene	10.784	156	37400	21.045	ug/l	97
78) n-propylbenzene	10.909	91	191873	21.062	ug/l	100
79) 2-Chlorotoluene	10.989	91	112980	20.991	ug/l	99
80) 1,3,5-Trimethylbenzene	11.092	105	136266	21.307	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.549	75	19006	20.223	ug/l	97
82) 4-Chlorotoluene	11.099	91	131667	20.859	ug/l	99
83) tert-Butylbenzene	11.423	119	131105	21.506	ug/l	100
84) 1,2,4-Trimethylbenzene	11.468	105	136463	21.470	ug/l	100
85) sec-Butylbenzene	11.645	105	170703	21.113	ug/l	99
86) p-Isopropyltoluene	11.796	119	142863	21.145	ug/l	100
87) 1,3-Dichlorobenzene	11.748	146	71223	19.863	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	71459	19.704	ug/l	99
89) n-Butylbenzene	12.211	91	128009	19.668	ug/l	100
90) Hexachloroethane	12.478	117	25022	20.530	ug/l	100
91) 1,2-Dichlorobenzene	12.214	146	70730	20.275	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	14299	20.896	ug/l	98
93) 1,2,4-Trichlorobenzene	13.841	180	45588	18.899	ug/l	98
94) Hexachlorobutadiene	14.025	225	19536	18.763	ug/l	98
95) Naphthalene	14.089	128	166069	18.965	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	48216	20.124	ug/l	99

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

