

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110521\
 Data File : VU045571.D
 Acq On : 05 Nov 2021 20:01
 Operator : SY/MD
 Sample : VU1105WBSD01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1105WBSD01

Quant Time: Nov 06 21:25:28 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

Manual Integrations APPROVED

Reviewed By : John Carlone 11/08/2021
 Supervised By : Mahesh Dadoda 11/08/2021

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

Internal Standards						
1) Pentafluorobenzene	5.379	168	125941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	227735	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	223526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	112786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	102076	54.120	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.240%			
35) Dibromofluoromethane	5.292	113	77356	50.877	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.760%			
50) Toluene-d8	7.899	98	292589	51.751	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.500%			
62) 4-Bromofluorobenzene	10.632	95	113466	50.048	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	33850	20.730	ug/l	98
3) Chloromethane	1.523	50	37950	20.312	ug/l	97
4) Vinyl Chloride	1.607	62	38553	21.183	ug/l	98
5) Bromomethane	1.851	94	23339	22.991	ug/l	97
6) Chloroethane	1.935	64	23519	19.802	ug/l	96
7) Trichlorofluoromethane	2.141	101	49622	20.619	ug/l	99
8) Diethyl Ether	2.379	74	20368	21.380	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.581	101	28631	20.374	ug/l	97
10) Methyl Iodide	2.726	142	35417	19.259	ug/l	92
11) Tert butyl alcohol	3.176	59	42424	113.639	ug/l	100
12) 1,1-Dichloroethene	2.581	96	27448	19.810	ug/l	98
13) Acrolein	2.485	56	7943	146.823	ug/l	99
14) Allyl chloride	2.925	41	51173	20.684	ug/l	98
15) Acrylonitrile	3.314	53	108245	108.600	ug/l	98
16) Acetone	2.626	43	87553	91.189	ug/l	96
17) Carbon Disulfide	2.797	76	74626	19.229	ug/l	99
18) Methyl Acetate	2.948	43	71530	21.873	ug/l	99
19) Methyl tert-butyl Ether	3.366	73	107266	21.507	ug/l	98
20) Methylene Chloride	3.047	84	34674	20.784	ug/l	99
21) trans-1,2-Dichloroethene	3.356	96	30445	21.121	ug/l	98
22) Diisopropyl ether	3.996	45	105981	21.817	ug/l	96
23) Vinyl Acetate	3.957	43	405898	108.639	ug/l	100
24) 1,1-Dichloroethane	3.874	63	61580	21.273	ug/l	98
25) 2-Butanone	4.700	43	141057	105.926	ug/l	99
26) 2,2-Dichloropropane	4.668	77	45611	19.014	ug/l	99
27) cis-1,2-Dichloroethene	4.671	96	35681	21.075	ug/l	99
28) Bromochloromethane	4.977	49	29522	21.391	ug/l	97
29) Tetrahydrofuran	5.051	42	88302	108.406	ug/l	99
30) Chloroform	5.092	83	60766	21.225	ug/l	98
31) Cyclohexane	5.391	56	56889	20.672	ug/l	100
32) 1,1,1-Trichloroethane	5.321	97	51095	20.928	ug/l	98
36) 1,1-Dichloropropene	5.530	75	44691	20.126	ug/l	99
37) Ethyl Acetate	4.806	43	53979	21.161	ug/l	99
38) Carbon Tetrachloride	5.530	117	43727	19.532	ug/l	99
39) Methylcyclohexane	6.768	83	52581	19.301	ug/l	97
40) Benzene	5.777	78	131234	19.962	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	28763	21.337	ug/l	99
42) 1,2-Dichloroethane	5.797	62	49065	20.661	ug/l	100
43) Isopropyl Acetate	5.912	43	80487	20.629	ug/l	100
44) Trichloroethene	6.546	130	31781	20.195	ug/l	98
45) 1,2-Dichloropropane	6.793	63	35540	20.430	ug/l	99
46) Dibromomethane	6.922	93	24865	20.629	ug/l	99
47) Bromodichloromethane	7.108	83	46579	20.367	ug/l	96
48) Methyl methacrylate	6.960	41	37052	20.633	ug/l	98
49) 1,4-Dioxane	6.964	88	20578	445.591	ug/l #	98
51) 4-Methyl-2-Pentanone	7.793	43	273049	106.092	ug/l	100
52) Toluene	7.973	92	83794	20.818	ug/l	100
53) t-1,3-Dichloropropene	8.211	75	51795	19.706	ug/l	99
54) cis-1,3-Dichloropropene	7.610	75	57547	20.613	ug/l	96
55) 1,1,2-Trichloroethane	8.404	97	34675	20.786	ug/l	98
56) Ethyl methacrylate	8.337	69	54186	19.656	ug/l	99
57) 1,3-Dichloropropane	8.578	76	62731	20.879	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.465	63	146768	95.567	ug/l	100
59) 2-Hexanone	8.684	43	207069	97.212	ug/l	98
60) Dibromochloromethane	8.812	129	35076	20.193	ug/l	99
61) 1,2-Dibromoethane	8.925	107	37003	20.682	ug/l	100
64) Tetrachloroethene	8.555	164	26549	20.694	ug/l	99
65) Chlorobenzene	9.449	112	87325	19.889	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.536	131	31276	19.973	ug/l	98
67) Ethyl Benzene	9.571	91	157558	20.038	ug/l	100
68) m/p-Xylenes	9.697	106	120675	40.695	ug/l	99
69) o-Xylene	10.102	106	58698	20.361	ug/l	99
70) Styrene	10.115	104	98679	20.233	ug/l	99
71) Bromoform	10.291	173	25021	18.926	ug/l #	100
73) Isopropylbenzene	10.488	105	155257	21.068	ug/l	100
74) N-amyl acetate	10.320	43	67058	20.171	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.783	83	59540	20.392	ug/l	99
76) 1,2,3-Trichloropropane	10.825	75	54627m	15.971	ug/l	
77) Bromobenzene	10.783	156	36541	20.423	ug/l	97
78) n-propylbenzene	10.906	91	189252	20.634	ug/l	99
79) 2-Chlorotoluene	10.989	91	112924	20.839	ug/l	99
80) 1,3,5-Trimethylbenzene	11.089	105	133682	20.762	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.549	75	17617	18.856	ug/l	96
82) 4-Chlorotoluene	11.099	91	131321	20.664	ug/l	99
83) tert-Butylbenzene	11.423	119	127070	20.703	ug/l	98
84) 1,2,4-Trimethylbenzene	11.468	105	135825	21.225	ug/l	100
85) sec-Butylbenzene	11.645	105	166877	20.501	ug/l	100
86) p-Isopropyltoluene	11.796	119	135541	19.926	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	70692	19.582	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	73222	20.054	ug/l	98
89) n-Butylbenzene	12.211	91	128655	19.635	ug/l	99
90) Hexachloroethane	12.478	117	23271	18.964	ug/l	99
91) 1,2-Dichlorobenzene	12.214	146	70945	20.199	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	13675	19.850	ug/l	95
93) 1,2,4-Trichlorobenzene	13.841	180	46364	19.092	ug/l	97
94) Hexachlorobutadiene	14.024	225	19137	18.256	ug/l	98
95) Naphthalene	14.089	128	172850	19.572	ug/l	100
96) 1,2,3-Trichlorobenzene	14.333	180	48762	20.215	ug/l	99

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

