

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110921\
 Data File : VU045679.D
 Acq On : 10 Nov 2021 00:01
 Operator : SY/MD
 Sample : VU1109WBSD02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1109WBSD02

Manual Integrations
 APPROVED

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

Quant Time: Nov 10 02:05:27 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	5.375	168	119465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	213286	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	209485	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	106115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	97996	54.773	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.540%			
35) Dibromofluoromethane	5.292	113	76561	53.765	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.520%			
50) Toluene-d8	7.899	98	286275	54.064	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.120%			
62) 4-Bromofluorobenzene	10.636	95	109368	51.508	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.020%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	31789	20.523	ug/l	99
3) Chloromethane	1.520	50	35381	19.964	ug/l	99
4) Vinyl Chloride	1.604	62	37110	21.496	ug/l	100
5) Bromomethane	1.851	94	23048	23.935	ug/l	98
6) Chloroethane	1.932	64	23051	20.460	ug/l	98
7) Trichlorofluoromethane	2.138	101	48214	21.120	ug/l	96
8) Diethyl Ether	2.379	74	19519	21.600	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.581	101	28146	21.114	ug/l	98
10) Methyl Iodide	2.723	142	27719	15.890	ug/l	91
11) Tert butyl alcohol	3.179	59	44656	126.102	ug/l	99
12) 1,1-Dichloroethene	2.578	96	27129	20.641	ug/l	99
13) Acrolein	2.485	56	6290	122.571	ug/l	98
14) Allyl chloride	2.925	41	48499	20.666	ug/l	98
15) Acrylonitrile	3.314	53	108543	114.802	ug/l	98
16) Acetone	2.626	43	88059	96.688	ug/l	100
17) Carbon Disulfide	2.793	76	72037	19.568	ug/l	99
18) Methyl Acetate	2.948	43	70538	22.739	ug/l	99
19) Methyl tert-butyl Ether	3.366	73	103604	21.899	ug/l	98
20) Methylene Chloride	3.047	84	33872	21.404	ug/l	96
21) trans-1,2-Dichloroethene	3.353	96	29844	21.826	ug/l	99
22) Diisopropyl ether	3.996	45	103359	22.430	ug/l	95
23) Vinyl Acetate	3.957	43	393152	110.932	ug/l	100
24) 1,1-Dichloroethane	3.874	63	60548	22.050	ug/l	99
25) 2-Butanone	4.703	43	142991	113.199	ug/l	99
26) 2,2-Dichloropropane	4.668	77	39390	17.311	ug/l	99
27) cis-1,2-Dichloroethene	4.668	96	36479	22.714	ug/l	96
28) Bromochloromethane	4.977	49	26290	20.082	ug/l	97
29) Tetrahydrofuran	5.054	42	92718	119.998	ug/l	99
30) Chloroform	5.092	83	60761	22.374	ug/l	96
31) Cyclohexane	5.388	56	53537	20.508	ug/l	95
32) 1,1,1-Trichloroethane	5.321	97	51006	22.024	ug/l	99
36) 1,1-Dichloropropene	5.530	75	43960	21.138	ug/l	99
37) Ethyl Acetate	4.806	43	51775	21.672	ug/l	98
38) Carbon Tetrachloride	5.526	117	44082	21.025	ug/l	98
39) Methylcyclohexane	6.764	83	49748	19.498	ug/l	98
40) Benzene	5.777	78	129495	21.031	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.977	41	28265	22.388	ug/l	99
42) 1,2-Dichloroethane	5.797	62	47976	21.571	ug/l	99
43) Isopropyl Acetate	5.912	43	78582	21.506	ug/l	99
44) Trichloroethene	6.546	130	34566	23.453	ug/l	99
45) 1,2-Dichloropropane	6.793	63	36111	22.165	ug/l	96
46) Dibromomethane	6.922	93	24512	21.714	ug/l	100
47) Bromodichloromethane	7.108	83	46590	21.751	ug/l	96
48) Methyl methacrylate	6.960	41	36984	21.990	ug/l	99
49) 1,4-Dioxane	6.964	88	21699	501.696	ug/l #	94
51) 4-Methyl-2-Pentanone	7.793	43	274403	113.841	ug/l	99
52) Toluene	7.973	92	83403	22.125	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	48661	19.768	ug/l	97
54) cis-1,3-Dichloropropene	7.610	75	53853	20.597	ug/l	96
55) 1,1,2-Trichloroethane	8.401	97	34532	22.103	ug/l	99
56) Ethyl methacrylate	8.337	69	52567	20.273	ug/l	96
57) 1,3-Dichloropropane	8.578	76	60625	21.545	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.465	63	127485	88.635	ug/l	99
59) 2-Hexanone	8.684	43	210098	104.688	ug/l	98
60) Dibromochloromethane	8.813	129	34592	21.264	ug/l	96
61) 1,2-Dibromoethane	8.925	107	35518	21.197	ug/l	99
64) Tetrachloroethene	8.555	164	27842	23.156	ug/l	96
65) Chlorobenzene	9.449	112	86311	20.976	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.536	131	30489	20.775	ug/l	99
67) Ethyl Benzene	9.571	91	153963	20.894	ug/l	100
68) m/p-Xylenes	9.697	106	118439	42.618	ug/l	99
69) o-Xylene	10.102	106	57727	21.366	ug/l	99
70) Styrene	10.115	104	97998	21.440	ug/l	98
71) Bromoform	10.295	173	25747	20.478	ug/l #	98
73) Isopropylbenzene	10.488	105	152399	21.980	ug/l	99
74) N-amyl acetate	10.320	43	64794	20.715	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.787	83	59506	21.662	ug/l	100
76) 1,2,3-Trichloropropane	10.829	75	56936m	17.693	ug/l	
77) Bromobenzene	10.783	156	36089	21.438	ug/l	96
78) n-propylbenzene	10.909	91	183583	21.274	ug/l	99
79) 2-Chlorotoluene	10.989	91	110207	21.616	ug/l	100
80) 1,3,5-Trimethylbenzene	11.089	105	130523	21.546	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.549	75	15254	17.592	ug/l	97
82) 4-Chlorotoluene	11.099	91	128413	21.477	ug/l	99
83) tert-Butylbenzene	11.423	119	123424	21.373	ug/l	99
84) 1,2,4-Trimethylbenzene	11.472	105	130202	21.626	ug/l	100
85) sec-Butylbenzene	11.645	105	162337	21.197	ug/l	100
86) p-Isopropyltoluene	11.796	119	134156	20.962	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	70221	20.674	ug/l	100
88) 1,4-Dichlorobenzene	11.838	146	70987	20.664	ug/l	99
89) n-Butylbenzene	12.211	91	122247	19.829	ug/l	99
90) Hexachloroethane	12.478	117	21950	19.012	ug/l	99
91) 1,2-Dichlorobenzene	12.214	146	69625	21.070	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	13417	20.699	ug/l	97
93) 1,2,4-Trichlorobenzene	13.841	180	45007	19.698	ug/l	99
94) Hexachlorobutadiene	14.025	225	18404	18.660	ug/l	99
95) Naphthalene	14.089	128	166018	19.959	ug/l	100
96) 1,2,3-Trichlorobenzene	14.330	180	47006	20.712	ug/l	99

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

