

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110521\
 Data File : VU045599.D
 Acq On : 06 Nov 2021 07:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Nov 06 21:56:42 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	122397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	223963	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	218754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	114337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	97109	52.977	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.960%			
35) Dibromofluoromethane	5.292	113	74124	49.572	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.140%			
50) Toluene-d8	7.899	98	283832	51.047	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.100%			
62) 4-Bromofluorobenzene	10.632	95	113487	50.900	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	83475	52.601	ug/l	99
3) Chloromethane	1.523	50	89848	49.483	ug/l	100
4) Vinyl Chloride	1.607	62	95094	53.763	ug/l	100
5) Bromomethane	1.848	94	58138	58.930	ug/l	99
6) Chloroethane	1.932	64	57658	49.950	ug/l	97
7) Trichlorofluoromethane	2.141	101	122093	52.200	ug/l	100
8) Diethyl Ether	2.379	74	47505	51.310	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.584	101	68798	50.374	ug/l	96
10) Methyl Iodide	2.726	142	79625	44.551	ug/l	92
11) Tert butyl alcohol	3.173	59	98671	271.958	ug/l	100
12) 1,1-Dichloroethene	2.581	96	69433	51.563	ug/l	98
13) Acrolein	2.488	56	16750	318.581	ug/l	98
14) Allyl chloride	2.925	41	123009	51.159	ug/l	98
15) Acrylonitrile	3.311	53	262699	271.192	ug/l	98
16) Acetone	2.623	43	202788	217.326	ug/l	99
17) Carbon Disulfide	2.797	76	190999	50.639	ug/l	100
18) Methyl Acetate	2.945	43	195099	61.387	ug/l	99
19) Methyl tert-butyl Ether	3.366	73	258595	53.350	ug/l	98
20) Methylene Chloride	3.047	84	82436	50.844	ug/l	99
21) trans-1,2-Dichloroethene	3.356	96	75418	53.835	ug/l	98
22) Diisopropyl ether	3.996	45	253942	53.789	ug/l	92
23) Vinyl Acetate	3.957	43	945282	260.332	ug/l	100
24) 1,1-Dichloroethane	3.874	63	149410	53.108	ug/l	99
25) 2-Butanone	4.700	43	330640	255.482	ug/l	99
26) 2,2-Dichloropropane	4.668	77	97517	41.830	ug/l	99
27) cis-1,2-Dichloroethene	4.668	96	87717	53.310	ug/l	98
28) Bromochloromethane	4.977	49	70964	52.909	ug/l	99
29) Tetrahydrofuran	5.047	42	208400	263.255	ug/l	99
30) Chloroform	5.092	83	147503	53.013	ug/l	99
31) Cyclohexane	5.391	56	134531	50.300	ug/l	100
32) 1,1,1-Trichloroethane	5.321	97	129490	54.574	ug/l	97
36) 1,1-Dichloropropene	5.530	75	109386	50.090	ug/l	100
37) Ethyl Acetate	4.803	43	121938	48.609	ug/l	99
38) Carbon Tetrachloride	5.526	117	110548	50.212	ug/l	98
39) Methylcyclohexane	6.764	83	132683	49.525	ug/l	95
40) Benzene	5.777	78	319911	49.480	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	69365	52.324	ug/l	99
42) 1,2-Dichloroethane	5.797	62	119419	51.135	ug/l	100
43) Isopropyl Acetate	5.912	43	192791	50.246	ug/l	99
44) Trichloroethene	6.546	130	78289	50.586	ug/l	98
45) 1,2-Dichloropropane	6.793	63	88221	51.568	ug/l	98
46) Dibromomethane	6.919	93	60908	51.383	ug/l	99
47) Bromodichloromethane	7.108	83	118388	52.637	ug/l	97
48) Methyl methacrylate	6.960	41	92520	52.389	ug/l	97
49) 1,4-Dioxane	6.960	88	49263	1084.696	ug/l #	96
51) 4-Methyl-2-Pentanone	7.790	43	661461	261.336	ug/l	99
52) Toluene	7.970	92	207346	52.382	ug/l	100
53) t-1,3-Dichloropropene	8.211	75	131116	50.724	ug/l	99
54) cis-1,3-Dichloropropene	7.610	75	139741	50.897	ug/l	96
55) 1,1,2-Trichloroethane	8.401	97	85905	52.364	ug/l	99
56) Ethyl methacrylate	8.333	69	139094	47.402	ug/l	98
57) 1,3-Dichloropropane	8.578	76	150699	51.002	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.465	63	354081	234.441	ug/l	99
59) 2-Hexanone	8.684	43	512216	233.100	ug/l	99
60) Dibromochloromethane	8.812	129	89184	52.208	ug/l	100
61) 1,2-Dibromoethane	8.925	107	89996	51.149	ug/l	100
64) Tetrachloroethene	8.555	164	65278	51.992	ug/l	97
65) Chlorobenzene	9.449	112	216642	50.418	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.536	131	78832	51.440	ug/l	98
67) Ethyl Benzene	9.571	91	402845	52.352	ug/l	99
68) m/p-Xylenes	9.697	106	308679	106.367	ug/l	100
69) o-Xylene	10.102	106	149679	53.052	ug/l	99
70) Styrene	10.115	104	259436	54.354	ug/l	99
71) Bromoform	10.291	173	67694	46.875	ug/l #	99
73) Isopropylbenzene	10.484	105	398791	53.381	ug/l	99
74) N-amyl acetate	10.320	43	173425	51.459	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.783	83	151315	51.122	ug/l	100
76) 1,2,3-Trichloropropane	10.825	75	129080m	37.227	ug/l	
77) Bromobenzene	10.783	156	93578	51.591	ug/l	97
78) n-propylbenzene	10.906	91	487425	52.422	ug/l	99
79) 2-Chlorotoluene	10.986	91	288890	52.589	ug/l	99
80) 1,3,5-Trimethylbenzene	11.089	105	345012	52.858	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.549	75	44678	42.678	ug/l	97
82) 4-Chlorotoluene	11.099	91	335973	52.150	ug/l	99
83) tert-Butylbenzene	11.420	119	329290	52.923	ug/l	100
84) 1,2,4-Trimethylbenzene	11.468	105	348860	53.777	ug/l	99
85) sec-Butylbenzene	11.645	105	436894	52.944	ug/l	100
86) p-Isopropyltoluene	11.793	119	360894	52.336	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	183408	50.116	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	186012	50.255	ug/l	99
89) n-Butylbenzene	12.208	91	338257	50.922	ug/l	100
90) Hexachloroethane	12.478	117	63839	51.319	ug/l	96
91) 1,2-Dichlorobenzene	12.214	146	183851	51.635	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.996	75	36909	52.847	ug/l	96
93) 1,2,4-Trichlorobenzene	13.841	180	124294	50.487	ug/l	97
94) Hexachlorobutadiene	14.021	225	50123	47.166	ug/l	99
95) Naphthalene	14.086	128	468559	50.613	ug/l	99
96) 1,2,3-Trichlorobenzene	14.330	180	126942	51.912	ug/l	99

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

