

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110921\
 Data File : VU045676.D
 Acq On : 09 Nov 2021 22:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Nov 10 02:03:55 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	123929	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	222213	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	218146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	112653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	97875	52.735	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.480%			
35) Dibromofluoromethane	5.292	113	76435	51.520	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.040%			
50) Toluene-d8	7.899	98	284337	51.541	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.080%			
62) 4-Bromofluorobenzene	10.636	95	110330	49.874	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	78088	48.598	ug/l	99
3) Chloromethane	1.520	50	87414	47.547	ug/l	100
4) Vinyl Chloride	1.604	62	89816	50.152	ug/l	100
5) Bromomethane	1.842	94	55582	55.643	ug/l	98
6) Chloroethane	1.925	64	55712	47.668	ug/l	98
7) Trichlorofluoromethane	2.134	101	118676	50.112	ug/l	100
8) Diethyl Ether	2.375	74	48926	52.191	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.578	101	68570	49.586	ug/l	97
10) Methyl Iodide	2.723	142	72378	39.996	ug/l	92
11) Tert butyl alcohol	3.179	59	108228	294.612	ug/l	99
12) 1,1-Dichloroethene	2.578	96	66757	48.962	ug/l	100
13) Acrolein	2.485	56	15311	287.612	ug/l	99
14) Allyl chloride	2.922	41	124455	51.121	ug/l	97
15) Acrylonitrile	3.314	53	274411	279.781	ug/l	97
16) Acetone	2.626	43	217110	229.798	ug/l	98
17) Carbon Disulfide	2.793	76	174334	45.649	ug/l	100
18) Methyl Acetate	2.948	43	174373	54.188	ug/l	99
19) Methyl tert-butyl Ether	3.366	73	258977	52.768	ug/l	98
20) Methylene Chloride	3.047	84	82667	50.356	ug/l	100
21) trans-1,2-Dichloroethene	3.353	96	73191	51.599	ug/l	98
22) Diisopropyl ether	3.996	45	258994	54.180	ug/l	94
23) Vinyl Acetate	3.957	43	1007324	273.989	ug/l	100
24) 1,1-Dichloroethane	3.871	63	149361	52.434	ug/l	99
25) 2-Butanone	4.700	43	358753	273.778	ug/l	100
26) 2,2-Dichloropropane	4.668	77	105433	44.666	ug/l	98
27) cis-1,2-Dichloroethene	4.668	96	88225	52.956	ug/l	99
28) Bromochloromethane	4.977	49	71119	52.369	ug/l	98
29) Tetrahydrofuran	5.051	42	226223	282.237	ug/l	99
30) Chloroform	5.092	83	148692	52.780	ug/l	99
31) Cyclohexane	5.391	56	130081	48.035	ug/l	99
32) 1,1,1-Trichloroethane	5.317	97	127540	53.088	ug/l	98
36) 1,1-Dichloropropene	5.526	75	106503	49.154	ug/l	99
37) Ethyl Acetate	4.803	43	133409	53.600	ug/l	100
38) Carbon Tetrachloride	5.526	117	108359	49.605	ug/l	97
39) Methylcyclohexane	6.764	83	125740	47.303	ug/l	98
40) Benzene	5.774	78	318684	49.678	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	72253	54.931	ug/l	98
42) 1,2-Dichloroethane	5.797	62	119362	51.513	ug/l	99
43) Isopropyl Acetate	5.912	43	198810	52.223	ug/l	98
44) Trichloroethene	6.546	130	80842	52.647	ug/l	99
45) 1,2-Dichloropropane	6.793	63	88558	52.173	ug/l	98
46) Dibromomethane	6.919	93	60023	51.035	ug/l	99
47) Bromodichloromethane	7.108	83	117403	52.610	ug/l	97
48) Methyl methacrylate	6.960	41	93100	53.132	ug/l	98
49) 1,4-Dioxane	6.960	88	53540	1188.153	ug/l #	98
51) 4-Methyl-2-Pentanone	7.793	43	689984	274.752	ug/l	99
52) Toluene	7.973	92	203239	51.749	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	126373	49.274	ug/l	100
54) cis-1,3-Dichloropropene	7.610	75	138589	50.875	ug/l	96
55) 1,1,2-Trichloroethane	8.404	97	85074	52.266	ug/l	98
56) Ethyl methacrylate	8.337	69	136719	46.983	ug/l	98
57) 1,3-Dichloropropane	8.578	76	150203	51.235	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.465	63	336930	224.842	ug/l	100
59) 2-Hexanone	8.684	43	530142	242.833	ug/l	99
60) Dibromochloromethane	8.813	129	88278	52.084	ug/l	99
61) 1,2-Dibromoethane	8.925	107	89280	51.142	ug/l	98
64) Tetrachloroethene	8.555	164	64929	51.858	ug/l	97
65) Chlorobenzene	9.449	112	209635	48.924	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.539	131	76893	50.315	ug/l	98
67) Ethyl Benzene	9.571	91	385615	50.252	ug/l	100
68) m/p-Xylenes	9.697	106	298510	103.149	ug/l	99
69) o-Xylene	10.102	106	145297	51.642	ug/l	100
70) Styrene	10.115	104	248640	52.237	ug/l	99
71) Bromoform	10.295	173	64404	44.863	ug/l #	100
73) Isopropylbenzene	10.488	105	383826	52.146	ug/l	100
74) N-amyl acetate	10.320	43	171648	51.693	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.787	83	147811	50.685	ug/l	100
76) 1,2,3-Trichloropropane	10.825	75	131803m	38.581	ug/l	
77) Bromobenzene	10.783	156	90182	50.462	ug/l	97
78) n-propylbenzene	10.909	91	467461	51.027	ug/l	99
79) 2-Chlorotoluene	10.989	91	273753	50.579	ug/l	99
80) 1,3,5-Trimethylbenzene	11.092	105	331603	51.563	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	41567	40.466	ug/l	98
82) 4-Chlorotoluene	11.099	91	321916	50.715	ug/l	100
83) tert-Butylbenzene	11.423	119	316237	51.585	ug/l	99
84) 1,2,4-Trimethylbenzene	11.472	105	333084	52.112	ug/l	100
85) sec-Butylbenzene	11.645	105	418148	51.430	ug/l	100
86) p-Isopropyltoluene	11.796	119	346656	51.023	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	173681	48.167	ug/l	100
88) 1,4-Dichlorobenzene	11.838	146	174896	47.958	ug/l	99
89) n-Butylbenzene	12.211	91	319397	48.802	ug/l	100
90) Hexachloroethane	12.478	117	58560	47.779	ug/l	99
91) 1,2-Dichlorobenzene	12.214	146	174426	49.720	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	35366	51.395	ug/l	96
93) 1,2,4-Trichlorobenzene	13.841	180	115139	47.468	ug/l	99
94) Hexachlorobutadiene	14.025	225	47510	45.375	ug/l	98
95) Naphthalene	14.089	128	437413	48.009	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	119138	49.449	ug/l	99

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

