

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045929.D
 Acq On : 22 Nov 2021 20:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/23/2021
 Supervised By : Mahesh Dadoda 11/23/2021

Quant Time: Nov 23 05:20:13 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	5.378	168	102640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	178460	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	178371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	95238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	71477	46.500	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.000%		
35) Dibromofluoromethane	5.292	113	56566	47.475	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.960%		
50) Toluene-d8	7.899	98	214433	48.399	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.800%		
62) 4-Bromofluorobenzene	10.635	95	82477	46.424	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	70544	53.010	ug/l	99
3) Chloromethane	1.523	50	70247	46.135	ug/l	99
4) Vinyl Chloride	1.607	62	75453	50.870	ug/l	99
5) Bromomethane	1.861	94	42569	51.455	ug/l	99
6) Chloroethane	1.938	64	45052	46.542	ug/l	100
7) Trichlorofluoromethane	2.144	101	101699	51.851	ug/l	100
8) Diethyl Ether	2.382	74	40028	51.556	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.587	101	58606	51.171	ug/l	97
10) Methyl Iodide	2.729	142	60129	40.119	ug/l	91
11) Tert butyl alcohol	3.279	59	86079m	282.920	ug/l	
12) 1,1-Dichloroethene	2.584	96	58205	51.545	ug/l	95
13) Acrolein	2.497	56	10847	246.019	ug/l	97
14) Allyl chloride	2.928	41	95915	47.570	ug/l	98
15) Acrylonitrile	3.327	53	231342	284.792	ug/l	98
16) Acetone	2.655	43	187104	239.115	ug/l	97
17) Carbon Disulfide	2.800	76	160280	50.674	ug/l	99
18) Methyl Acetate	2.957	43	132135	49.579	ug/l	96
19) Methyl tert-butyl Ether	3.369	73	207544	51.059	ug/l	99
20) Methylene Chloride	3.051	84	68158	50.130	ug/l	98
21) trans-1,2-Dichloroethene	3.359	96	63227	53.820	ug/l	92
22) Diisopropyl ether	3.996	45	192720	48.678	ug/l	91
23) Vinyl Acetate	3.960	43	793724	260.669	ug/l	99
24) 1,1-Dichloroethane	3.874	63	120529	51.088	ug/l	100
25) 2-Butanone	4.719	43	287887	265.266	ug/l	98
26) 2,2-Dichloropropane	4.671	77	92905	47.522	ug/l	99
27) cis-1,2-Dichloroethene	4.671	96	72955	52.873	ug/l	97
28) Bromochloromethane	4.980	49	53302	47.390	ug/l	92
29) Tetrahydrofuran	5.063	42	178123	268.320	ug/l	95
30) Chloroform	5.092	83	120681	51.722	ug/l	99
31) Cyclohexane	5.394	56	104274	46.491	ug/l	97
32) 1,1,1-Trichloroethane	5.321	97	105983	53.265	ug/l	96
36) 1,1-Dichloropropene	5.529	75	88642	50.940	ug/l	100
37) Ethyl Acetate	4.809	43	109473	54.767	ug/l	99
38) Carbon Tetrachloride	5.529	117	90622	51.656	ug/l	98
39) Methylcyclohexane	6.767	83	103260	48.370	ug/l	94
40) Benzene	5.777	78	260029	50.473	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.976	41	56054	53.064	ug/l	96
42) 1,2-Dichloroethane	5.800	62	96345	51.773	ug/l	99
43) Isopropyl Acetate	5.912	43	153119	50.082	ug/l	98
44) Trichloroethene	6.546	130	67445	54.691	ug/l	97
45) 1,2-Dichloropropane	6.793	63	69961	51.322	ug/l	97
46) Dibromomethane	6.922	93	49702	52.621	ug/l	98
47) Bromodichloromethane	7.108	83	94647	52.811	ug/l	96
48) Methyl methacrylate	6.960	41	68286	48.525	ug/l	90
49) 1,4-Dioxane	7.050	88	33583	927.987	ug/l #	39
51) 4-Methyl-2-Pentanone	7.793	43	537562	266.538	ug/l	99
52) Toluene	7.970	92	166987	52.943	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	107313	52.101	ug/l	99
54) cis-1,3-Dichloropropene	7.610	75	113536	51.897	ug/l	94
55) 1,1,2-Trichloroethane	8.401	97	68854	52.672	ug/l	98
56) Ethyl methacrylate	8.333	69	106947	45.825	ug/l	96
57) 1,3-Dichloropropane	8.578	76	120604	51.224	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.465	63	274850	228.382	ug/l	98
59) 2-Hexanone	8.687	43	416276	237.592	ug/l	99
60) Dibromochloromethane	8.812	129	73427	53.943	ug/l	99
61) 1,2-Dibromoethane	8.925	107	76058	54.249	ug/l	99
64) Tetrachloroethene	8.555	164	62961	61.499	ug/l	98
65) Chlorobenzene	9.449	112	175217	50.010	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.536	131	63198	50.575	ug/l	99
67) Ethyl Benzene	9.571	91	322377	51.380	ug/l	100
68) m/p-Xylenes	9.693	106	250893	106.028	ug/l	99
69) o-Xylene	10.102	106	121130	52.653	ug/l	99
70) Styrene	10.115	104	205893	52.902	ug/l	98
71) Bromoform	10.291	173	55754	47.317	ug/l #	99
73) Isopropylbenzene	10.488	105	320341	51.479	ug/l	100
74) N-amyl acetate	10.320	43	124114	44.212	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.783	83	119815	48.598	ug/l	99
76) 1,2,3-Trichloropropane	10.825	75	135198	46.811	ug/l	94
77) Bromobenzene	10.783	156	75588	50.030	ug/l	94
78) n-propylbenzene	10.909	91	391293	50.523	ug/l	99
79) 2-Chlorotoluene	10.986	91	228325	49.899	ug/l	98
80) 1,3,5-Trimethylbenzene	11.089	105	277685	51.074	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.549	75	35058	40.377	ug/l	95
82) 4-Chlorotoluene	11.098	91	268905	50.111	ug/l	97
83) tert-Butylbenzene	11.423	119	254187	49.045	ug/l	99
84) 1,2,4-Trimethylbenzene	11.468	105	278409	51.523	ug/l	99
85) sec-Butylbenzene	11.645	105	345695	50.293	ug/l	100
86) p-Isopropyltoluene	11.796	119	288130	50.163	ug/l	100
87) 1,3-Dichlorobenzene	11.748	146	148416	48.687	ug/l	99
88) 1,4-Dichlorobenzene	11.838	146	152385	49.426	ug/l	100
89) n-Butylbenzene	12.211	91	262715	47.481	ug/l	99
90) Hexachloroethane	12.478	117	43324	41.811	ug/l	95
91) 1,2-Dichlorobenzene	12.214	146	148890	50.202	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.999	75	28672	49.286	ug/l	95
93) 1,2,4-Trichlorobenzene	13.841	180	100713	49.113	ug/l	99
94) Hexachlorobutadiene	14.021	225	41404	46.774	ug/l	99
95) Naphthalene	14.085	128	362903	47.134	ug/l	99
96) 1,2,3-Trichlorobenzene	14.330	180	100838	49.507	ug/l	99

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

