

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111221\
 Data File : VU045756.D
 Acq On : 12 Nov 2021 09:47
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/15/2021
 Supervised By : Mahesh Dadoda 11/16/2021

Quant Time: Nov 15 05:16:15 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	5.379	168	118105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	198447	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	194584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	104269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	92166	52.108	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.220%			
35) Dibromofluoromethane	5.292	113	72904	55.025	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.040%			
50) Toluene-d8	7.903	98	271128	55.032	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.060%			
62) 4-Bromofluorobenzene	10.636	95	104656	52.974	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	75824	49.516	ug/l	99
3) Chloromethane	1.520	50	80434	45.908	ug/l	99
4) Vinyl Chloride	1.604	62	85145	49.888	ug/l	100
5) Bromomethane	1.845	94	51084	53.662	ug/l	98
6) Chloroethane	1.929	64	51789	46.496	ug/l	97
7) Trichlorofluoromethane	2.138	101	115101	50.999	ug/l	99
8) Diethyl Ether	2.379	74	43479	48.668	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.581	101	67588	51.286	ug/l	96
10) Methyl Iodide	2.723	142	70954	41.142	ug/l	91
11) Tert butyl alcohol	3.176	59	80654	230.378	ug/l	100
12) 1,1-Dichloroethene	2.581	96	63205	48.643	ug/l	96
13) Acrolein	2.488	56	11304	222.813	ug/l	97
14) Allyl chloride	2.925	41	111747	48.165	ug/l	97
15) Acrylonitrile	3.314	53	237580	254.174	ug/l	98
16) Acetone	2.626	43	241151	267.831	ug/l	97
17) Carbon Disulfide	2.793	76	158741	43.616	ug/l	100
18) Methyl Acetate	2.948	43	152160	49.617	ug/l	100
19) Methyl tert-butyl Ether	3.366	73	240105	51.335	ug/l	97
20) Methylene Chloride	3.047	84	76763	49.066	ug/l	99
21) trans-1,2-Dichloroethene	3.353	96	69131	51.141	ug/l	95
22) Diisopropyl ether	3.996	45	237561	52.147	ug/l	92
23) Vinyl Acetate	3.957	43	906295	258.665	ug/l	99
24) 1,1-Dichloroethane	3.874	63	141489	52.120	ug/l	99
25) 2-Butanone	4.700	43	326702	261.613	ug/l	99
26) 2,2-Dichloropropane	4.668	77	115229	51.223	ug/l	100
27) cis-1,2-Dichloroethene	4.671	96	80969	50.997	ug/l	99
28) Bromochloromethane	4.977	49	63643	49.175	ug/l	96
29) Tetrahydrofuran	5.051	42	187805	245.860	ug/l	99
30) Chloroform	5.092	83	141536	52.717	ug/l	100
31) Cyclohexane	5.391	56	119028	46.121	ug/l	98
32) 1,1,1-Trichloroethane	5.321	97	119612	52.243	ug/l	98
36) 1,1-Dichloropropene	5.530	75	99073	51.200	ug/l	99
37) Ethyl Acetate	4.803	43	112374	50.556	ug/l	99
38) Carbon Tetrachloride	5.530	117	103318	52.962	ug/l	98
39) Methylcyclohexane	6.768	83	118719	50.011	ug/l	98
40) Benzene	5.777	78	296349	51.729	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	63129	53.743	ug/l	98
42) 1,2-Dichloroethane	5.797	62	111102	53.690	ug/l	99
43) Isopropyl Acetate	5.915	43	173046	50.899	ug/l	99
44) Trichloroethene	6.546	130	73683	53.732	ug/l	99
45) 1,2-Dichloropropane	6.797	63	82937	54.713	ug/l	99
46) Dibromomethane	6.922	93	57178	54.439	ug/l	99
47) Bromodichloromethane	7.108	83	110968	55.682	ug/l	98
48) Methyl methacrylate	6.964	41	81770	52.255	ug/l	96
49) 1,4-Dioxane	6.964	88	40255	1000.320	ug/l #	95
51) 4-Methyl-2-Pentanone	7.793	43	593004	264.414	ug/l	100
52) Toluene	7.973	92	188331	53.696	ug/l	100
53) t-1,3-Dichloropropene	8.214	75	120779	52.733	ug/l	98
54) cis-1,3-Dichloropropene	7.610	75	131635	54.110	ug/l	94
55) 1,1,2-Trichloroethane	8.404	97	79864	54.941	ug/l	98
56) Ethyl methacrylate	8.337	69	121869	46.900	ug/l	97
57) 1,3-Dichloropropane	8.578	76	139817	53.403	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.465	63	279466	208.830	ug/l	99
59) 2-Hexanone	8.687	43	467901	240.079	ug/l	99
60) Dibromochloromethane	8.812	129	84495	55.823	ug/l	100
61) 1,2-Dibromoethane	8.928	107	82286	52.780	ug/l	99
64) Tetrachloroethene	8.555	164	64687	57.920	ug/l	99
65) Chlorobenzene	9.449	112	197354	51.635	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.539	131	71993	52.813	ug/l	98
67) Ethyl Benzene	9.575	91	362289	52.930	ug/l	99
68) m/p-Xylenes	9.697	106	280691	108.737	ug/l	100
69) o-Xylene	10.105	106	135310	53.916	ug/l	100
70) Styrene	10.118	104	235504	55.469	ug/l	99
71) Bromoform	10.295	173	61424	47.755	ug/l #	100
73) Isopropylbenzene	10.488	105	362441	53.200	ug/l	99
74) N-amyl acetate	10.324	43	148784	48.410	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.787	83	137285	50.861	ug/l	100
76) 1,2,3-Trichloropropane	10.828	75	136683m	43.226	ug/l	
77) Bromobenzene	10.787	156	83963	50.760	ug/l	96
78) n-propylbenzene	10.909	91	447627	52.791	ug/l	100
79) 2-Chlorotoluene	10.989	91	262115	52.322	ug/l	99
80) 1,3,5-Trimethylbenzene	11.092	105	316589	53.186	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.552	75	39900	41.856	ug/l	96
82) 4-Chlorotoluene	11.099	91	308350	52.484	ug/l	100
83) tert-Butylbenzene	11.427	119	297287	52.393	ug/l	99
84) 1,2,4-Trimethylbenzene	11.472	105	317272	53.630	ug/l	99
85) sec-Butylbenzene	11.648	105	399428	53.078	ug/l	99
86) p-Isopropyltoluene	11.796	119	333682	53.062	ug/l	100
87) 1,3-Dichlorobenzene	11.748	146	166712	49.952	ug/l	99
88) 1,4-Dichlorobenzene	11.841	146	169847	50.318	ug/l	99
89) n-Butylbenzene	12.214	91	314444	51.908	ug/l	99
90) Hexachloroethane	12.478	117	54795	48.302	ug/l	99
91) 1,2-Dichlorobenzene	12.214	146	166922	51.407	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.999	75	30546	47.960	ug/l	99
93) 1,2,4-Trichlorobenzene	13.844	180	111778	49.787	ug/l	98
94) Hexachlorobutadiene	14.025	225	47633	49.151	ug/l	98
95) Naphthalene	14.089	128	395797	46.958	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	113315	50.814	ug/l	99

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

