

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111121\
 Data File : VU045728.D
 Acq On : 11 Nov 2021 10:22
 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 11/12/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 12 06:04:27 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	5.378	168	116031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	196194	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	193129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	103268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	86458	49.754	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.500%		
35) Dibromofluoromethane	5.292	113	68528	52.316	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.640%		
50) Toluene-d8	7.902	98	257505	52.867	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	105.740%		
62) 4-Bromofluorobenzene	10.635	95	101482	51.958	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.920%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	76996	51.180	ug/l	99
3) Chloromethane	1.523	50	80216	46.602	ug/l	100
4) Vinyl Chloride	1.604	62	85683	51.100	ug/l	100
5) Bromomethane	1.848	94	51695	55.274	ug/l	97
6) Chloroethane	1.928	64	52952	48.390	ug/l	96
7) Trichlorofluoromethane	2.137	101	115684	52.174	ug/l	99
8) Diethyl Ether	2.378	74	46233	52.675	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.581	101	68708	53.068	ug/l	97
10) Methyl Iodide	2.726	142	69877	41.242	ug/l	93
11) Tert butyl alcohol	3.173	59	79510	231.170	ug/l	99
12) 1,1-Dichloroethene	2.581	96	63525	49.763	ug/l	97
13) Acrolein	2.485	56	12382	248.424	ug/l	98
14) Allyl chloride	2.925	41	113903	49.971	ug/l	98
15) Acrylonitrile	3.314	53	238011	259.186	ug/l	98
16) Acetone	2.623	43	239749	271.033	ug/l	97
17) Carbon Disulfide	2.796	76	162432	45.428	ug/l	99
18) Methyl Acetate	2.948	43	151585	50.313	ug/l	100
19) Methyl tert-butyl Ether	3.366	73	241102	52.470	ug/l	100
20) Methylene Chloride	3.047	84	78834	51.290	ug/l	99
21) trans-1,2-Dichloroethene	3.356	96	71089	53.529	ug/l	95
22) Diisopropyl ether	3.996	45	240153	53.659	ug/l	93
23) Vinyl Acetate	3.957	43	923089	268.167	ug/l	99
24) 1,1-Dichloroethane	3.874	63	141360	53.003	ug/l	99
25) 2-Butanone	4.700	43	321793	262.288	ug/l	100
26) 2,2-Dichloropropane	4.668	77	117875	53.336	ug/l	99
27) cis-1,2-Dichloroethene	4.671	96	83392	53.462	ug/l	100
28) Bromochloromethane	4.976	49	62736	49.341	ug/l	97
29) Tetrahydrofuran	5.050	42	189930	253.087	ug/l	100
30) Chloroform	5.092	83	141481	53.638	ug/l	100
31) Cyclohexane	5.391	56	122776	48.423	ug/l	97
32) 1,1,1-Trichloroethane	5.320	97	120077	53.383	ug/l	98
36) 1,1-Dichloropropene	5.529	75	101139	52.868	ug/l	99
37) Ethyl Acetate	4.803	43	114806	52.243	ug/l	98
38) Carbon Tetrachloride	5.529	117	103163	53.489	ug/l	99
39) Methylcyclohexane	6.767	83	124543	53.067	ug/l	96
40) Benzene	5.777	78	298907	52.775	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	63429	54.618	ug/l	98
42) 1,2-Dichloroethane	5.796	62	111744	54.621	ug/l	99
43) Isopropyl Acetate	5.912	43	175878	52.326	ug/l	99
44) Trichloroethene	6.545	130	73844	54.468	ug/l	100
45) 1,2-Dichloropropane	6.793	63	83822	55.932	ug/l	96
46) Dibromomethane	6.922	93	57070	54.960	ug/l	99
47) Bromodichloromethane	7.108	83	111654	56.669	ug/l	97
48) Methyl methacrylate	6.960	41	83386	53.900	ug/l	97
49) 1,4-Dioxane	6.963	88	40670	1022.238	ug/l #	92
51) 4-Methyl-2-Pentanone	7.793	43	592918	267.411	ug/l	99
52) Toluene	7.973	92	193127	55.696	ug/l	100
53) t-1,3-Dichloropropene	8.214	75	121039	53.453	ug/l	98
54) cis-1,3-Dichloropropene	7.610	75	133316	55.430	ug/l	95
55) 1,1,2-Trichloroethane	8.404	97	80612	56.093	ug/l	99
56) Ethyl methacrylate	8.336	69	124629	48.429	ug/l	97
57) 1,3-Dichloropropane	8.578	76	141535	54.680	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.465	63	278513	210.507	ug/l	99
59) 2-Hexanone	8.687	43	463603	240.588	ug/l	99
60) Dibromochloromethane	8.812	129	84469	56.446	ug/l	100
61) 1,2-Dibromoethane	8.928	107	84996	55.144	ug/l	97
64) Tetrachloroethene	8.555	164	65260	58.874	ug/l	98
65) Chlorobenzene	9.449	112	201601	53.143	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.539	131	72179	53.348	ug/l	99
67) Ethyl Benzene	9.574	91	368998	54.316	ug/l	100
68) m/p-Xylenes	9.696	106	289060	112.822	ug/l	99
69) o-Xylene	10.105	106	140133	56.258	ug/l	99
70) Styrene	10.118	104	240166	56.993	ug/l	98
71) Bromoform	10.295	173	61492	48.141	ug/l #	100
73) Isopropylbenzene	10.487	105	370861	54.963	ug/l	99
74) N-amyl acetate	10.320	43	151534	49.783	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.786	83	135883	50.829	ug/l	98
76) 1,2,3-Trichloropropane	10.828	75	103035m	32.901	ug/l	
77) Bromobenzene	10.786	156	87777	53.580	ug/l	95
78) n-propylbenzene	10.909	91	461371	54.939	ug/l	100
79) 2-Chlorotoluene	10.989	91	267029	53.820	ug/l	98
80) 1,3,5-Trimethylbenzene	11.092	105	323975	54.955	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.549	75	40769	43.087	ug/l	97
82) 4-Chlorotoluene	11.098	91	315077	54.149	ug/l	99
83) tert-Butylbenzene	11.423	119	307149	54.656	ug/l	99
84) 1,2,4-Trimethylbenzene	11.471	105	322577	55.055	ug/l	99
85) sec-Butylbenzene	11.648	105	413112	55.428	ug/l	100
86) p-Isopropyltoluene	11.796	119	342355	54.969	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	171903	52.007	ug/l	100
88) 1,4-Dichlorobenzene	11.838	146	174234	52.118	ug/l	99
89) n-Butylbenzene	12.211	91	325633	54.277	ug/l	99
90) Hexachloroethane	12.478	117	54521	48.526	ug/l	96
91) 1,2-Dichlorobenzene	12.214	146	169244	52.628	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.999	75	30228	47.921	ug/l	96
93) 1,2,4-Trichlorobenzene	13.844	180	115158	51.790	ug/l	99
94) Hexachlorobutadiene	14.024	225	48927	50.975	ug/l	98
95) Naphthalene	14.089	128	403754	48.335	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	116485	52.742	ug/l	99

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

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