

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011923\
 Data File : VU052749.D
 Acq On : 19 Jan 2023 20:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/20/2023
 Supervised By : Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 15:18:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U011923W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 20 01:04:16 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.369	168	210736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.244	114	347515	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	324039	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.810	152	174399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	150831	49.698	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.400%		
35) Dibromofluoromethane	5.282	113	117882	48.716	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.440%		
50) Toluene-d8	7.893	98	448004	49.369	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.740%		
62) 4-Bromofluorobenzene	10.629	95	171046	51.599	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	117958	47.469	ug/l	99
3) Chloromethane	1.517	50	119245	46.717	ug/l	99
4) Vinyl Chloride	1.604	62	126362	49.636	ug/l	100
5) Bromomethane	1.858	94	63012	50.138	ug/l	98
6) Chloroethane	1.932	64	75361	46.829	ug/l	100
7) Trichlorofluoromethane	2.131	101	188153	48.006	ug/l	98
8) Diethyl Ether	2.373	74	70733	49.578	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.575	101	112494	49.634	ug/l	97
10) Methyl Iodide	2.720	142	106170	52.159	ug/l	99
11) Tert butyl alcohol	3.215	59	15951	30.845	ug/l #	88
12) 1,1-Dichloroethene	2.575	96	109382	48.797	ug/l	99
13) Acrolein	2.485	56	119694	251.806	ug/l	98
14) Allyl chloride	2.919	41	187053	52.979	ug/l	100
15) Acrylonitrile	3.311	53	371571	260.410	ug/l	99
16) Acetone	2.636	43	325578	225.084	ug/l	98
17) Carbon Disulfide	2.791	76	319157	47.519	ug/l	99
18) Methyl Acetate	2.945	43	206834	51.666	ug/l	99
19) Methyl tert-butyl Ether	3.356	73	402155	52.955	ug/l	97
20) Methylene Chloride	3.041	84	135628	52.733	ug/l	99
21) trans-1,2-Dichloroethene	3.347	96	122660	50.762	ug/l	96
22) Diisopropyl ether	3.987	45	382631	52.112	ug/l	94
23) Vinyl Acetate	3.948	43	1485841	263.734	ug/l	100
24) 1,1-Dichloroethane	3.864	63	230979	49.599	ug/l	99
25) 2-Butanone	4.700	43	476721	255.547	ug/l	98
26) 2,2-Dichloropropane	4.659	77	185627	48.589	ug/l	99
27) cis-1,2-Dichloroethene	4.662	96	139367	52.541	ug/l	99
28) Bromochloromethane	4.967	49	97468	50.142	ug/l	99
29) Tetrahydrofuran	5.051	42	294302	271.767	ug/l	98
30) Chloroform	5.083	83	236407	47.491	ug/l	99
31) Cyclohexane	5.382	56	206370	48.527	ug/l	99
32) 1,1,1-Trichloroethane	5.311	97	205184	50.323	ug/l	99
36) 1,1-Dichloropropene	5.520	75	171988	49.537	ug/l	99
37) Ethyl Acetate	4.797	43	181088	47.981	ug/l	99
38) Carbon Tetrachloride	5.520	117	174426	48.832	ug/l	97
39) Methylcyclohexane	6.758	83	209810	51.931	ug/l	98
40) Benzene	5.768	78	517186	49.333	ug/l	98

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41) Methacrylonitrile	4.967	41	98896	54.165	ug/l	98
42) 1,2-Dichloroethane	5.787	62	185639	49.040	ug/l	99
43) Isopropyl Acetate	5.906	43	274185	52.119	ug/l	99
44) Trichloroethene	6.536	130	130183	50.205	ug/l	99
45) 1,2-Dichloropropane	6.784	63	134894	49.887	ug/l	97
46) Dibromomethane	6.913	93	92474	49.382	ug/l	99
47) Bromodichloromethane	7.099	83	186337	49.728	ug/l	98
48) Methyl methacrylate	6.958	41	130948	54.625	ug/l	99
49) 1,4-Dioxane	7.028	88	57935	1247.241	ug/l	85
51) 4-Methyl-2-Pentanone	7.790	43	920355	270.313	ug/l	100
52) Toluene	7.964	92	325204	51.292	ug/l	100
53) t-1,3-Dichloropropene	8.205	75	197956	50.574	ug/l	98
54) cis-1,3-Dichloropropene	7.601	75	214996	51.501	ug/l	99
55) 1,1,2-Trichloroethane	8.395	97	129303	49.962	ug/l	99
56) Ethyl methacrylate	8.331	69	207255	49.945	ug/l	100
57) 1,3-Dichloropropane	8.572	76	225830	49.762	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.459	63	32818	296.600	ug/l	100
59) 2-Hexanone	8.687	43	705575	269.005	ug/l	99
60) Dibromochloromethane	8.806	129	142622	50.183	ug/l	98
61) 1,2-Dibromoethane	8.919	107	138029	50.802	ug/l	99
64) Tetrachloroethene	8.549	164	113412	50.379	ug/l	98
65) Chlorobenzene	9.443	112	340822	49.706	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.530	131	127280	49.517	ug/l	99
67) Ethyl Benzene	9.565	91	604349	52.155	ug/l	99
68) m/p-Xylenes	9.691	106	480138	106.690	ug/l	100
69) o-Xylene	10.096	106	232403	54.095	ug/l	98
70) Styrene	10.112	104	392952	50.106	ug/l	99
71) Bromoform	10.289	173	111039	51.725	ug/l #	99
73) Isopropylbenzene	10.482	105	606916	52.824	ug/l	100
74) N-amyl acetate	10.318	43	238213	54.424	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.781	83	217045	47.682	ug/l	99
76) 1,2,3-Trichloropropane	10.822	75	240993	50.637	ug/l	99
77) Bromobenzene	10.777	156	149880	50.440	ug/l	97
78) n-propylbenzene	10.903	91	721508	53.396	ug/l	99
79) 2-Chlorotoluene	10.983	91	433160	51.877	ug/l	99
80) 1,3,5-Trimethylbenzene	11.083	105	515325	53.992	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.543	75	62024	50.642	ug/l	97
82) 4-Chlorotoluene	11.092	91	500376	52.576	ug/l	100
83) tert-Butylbenzene	11.417	119	517107	52.785	ug/l	100
84) 1,2,4-Trimethylbenzene	11.462	105	514128	54.270	ug/l	99
85) sec-Butylbenzene	11.639	105	649896	54.195	ug/l	100
86) p-Isopropyltoluene	11.790	119	550332	53.970	ug/l	100
87) 1,3-Dichlorobenzene	11.742	146	284276	50.188	ug/l	100
88) 1,4-Dichlorobenzene	11.832	146	285759	49.067	ug/l	99
89) n-Butylbenzene	12.205	91	458439	46.416	ug/l	99
90) Hexachloroethane	12.472	117	94079	48.090	ug/l	99
91) 1,2-Dichlorobenzene	12.208	146	284859	49.870	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.993	75	46267	48.986	ug/l	98
93) 1,2,4-Trichlorobenzene	13.835	180	173999	52.157	ug/l	100
94) Hexachlorobutadiene	14.018	225	88434	47.824	ug/l	99
95) Naphthalene	14.083	128	530758	48.013	ug/l	100
96) 1,2,3-Trichlorobenzene	14.324	180	173491	52.385	ug/l	99

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

