

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011923\
 Data File : VU052740.D
 Acq On : 19 Jan 2023 16:02
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU011923

Quant Time: Jan 20 01:10:53 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	5.369	168	223842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.247	114	359382	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	336784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	179696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	145395	45.102	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.200%		
35) Dibromofluoromethane	5.285	113	118826	47.484	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.960%		
50) Toluene-d8	7.893	98	446478	47.576	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.160%		
62) 4-Bromofluorobenzene	10.629	95	163385	47.660	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	124446	47.147	ug/l	99
3) Chloromethane	1.520	50	123082	45.397	ug/l	99
4) Vinyl Chloride	1.604	62	131909	48.781	ug/l	97
5) Bromomethane	1.858	94	67620	50.654	ug/l	98
6) Chloroethane	1.935	64	80235	46.939	ug/l	100
7) Trichlorofluoromethane	2.137	101	192965	46.351	ug/l	98
8) Diethyl Ether	2.375	74	72406	47.779	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.581	101	115818	48.109	ug/l	99
10) Methyl Iodide	2.723	142	108655	50.416	ug/l	98
11) Tert butyl alcohol	3.250	59	146633m	266.951	ug/l	
12) 1,1-Dichloroethene	2.578	96	113284	47.579	ug/l	99
13) Acrolein	2.488	56	127450	252.434	ug/l	100
14) Allyl chloride	2.922	41	191423	51.042	ug/l	99
15) Acrylonitrile	3.314	53	378870	249.979	ug/l	100
16) Acetone	2.639	43	387723	252.353	ug/l	99
17) Carbon Disulfide	2.793	76	330523	46.330	ug/l	100
18) Methyl Acetate	2.948	43	205844	48.408	ug/l	100
19) Methyl tert-butyl Ether	3.359	73	405329	50.248	ug/l	100
20) Methylene Chloride	3.044	84	137876	50.391	ug/l	99
21) trans-1,2-Dichloroethene	3.350	96	125548	48.915	ug/l	98
22) Diisopropyl ether	3.986	45	391168	50.155	ug/l	98
23) Vinyl Acetate	3.951	43	1548711	258.799	ug/l	100
24) 1,1-Dichloroethane	3.867	63	236091	47.729	ug/l	99
25) 2-Butanone	4.703	43	514947	259.876	ug/l	98
26) 2,2-Dichloropropane	4.661	77	199282	49.109	ug/l	99
27) cis-1,2-Dichloroethene	4.665	96	140946	50.025	ug/l	99
28) Bromochloromethane	4.970	49	96375	46.677	ug/l	99
29) Tetrahydrofuran	5.050	42	305371	265.478	ug/l	99
30) Chloroform	5.083	83	239460	45.288	ug/l	98
31) Cyclohexane	5.385	56	212353	47.010	ug/l	99
32) 1,1,1-Trichloroethane	5.311	97	205056	47.347	ug/l	100
36) 1,1-Dichloropropene	5.523	75	180408	50.246	ug/l	99
37) Ethyl Acetate	4.800	43	187152	47.951	ug/l	98
38) Carbon Tetrachloride	5.520	117	178419	48.301	ug/l	98
39) Methylcyclohexane	6.761	83	221059	52.909	ug/l	98
40) Benzene	5.771	78	528799	48.775	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.967	41	98716	52.281	ug/l	99
42) 1,2-Dichloroethane	5.790	62	187289	47.842	ug/l	100
43) Isopropyl Acetate	5.906	43	285423	52.464	ug/l	100
44) Trichloroethene	6.539	130	133608	49.824	ug/l	100
45) 1,2-Dichloropropane	6.787	63	137648	49.224	ug/l	97
46) Dibromomethane	6.915	93	92668	47.852	ug/l	99
47) Bromodichloromethane	7.102	83	184910	47.718	ug/l	100
48) Methyl methacrylate	6.957	41	133915	54.018	ug/l	100
49) 1,4-Dioxane	7.021	88	54303	1130.447	ug/l	99
51) 4-Methyl-2-Pentanone	7.787	43	919010	261.005	ug/l	99
52) Toluene	7.967	92	334449	51.008	ug/l	100
53) t-1,3-Dichloropropene	8.205	75	206844	51.100	ug/l	99
54) cis-1,3-Dichloropropene	7.603	75	220920	51.173	ug/l	99
55) 1,1,2-Trichloroethane	8.394	97	131548	49.151	ug/l	97
56) Ethyl methacrylate	8.330	69	209194	48.803	ug/l	99
57) 1,3-Dichloropropane	8.571	76	230509	49.116	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.459	63	25897	226.321	ug/l	98
59) 2-Hexanone	8.681	43	733998	270.601	ug/l	99
60) Dibromochloromethane	8.806	129	144023	49.002	ug/l	99
61) 1,2-Dibromoethane	8.918	107	140184	49.891	ug/l	100
64) Tetrachloroethene	8.549	164	112454	48.063	ug/l	97
65) Chlorobenzene	9.443	112	350051	49.120	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.529	131	129208	48.365	ug/l	98
67) Ethyl Benzene	9.565	91	622726	51.707	ug/l	100
68) m/p-Xylenes	9.690	106	494665	105.758	ug/l	100
69) o-Xylene	10.095	106	235193	52.672	ug/l	98
70) Styrene	10.111	104	399000	48.982	ug/l	100
71) Bromoform	10.285	173	108025	48.417	ug/l #	97
73) Isopropylbenzene	10.481	105	626052	52.884	ug/l	100
74) N-amyl acetate	10.317	43	242142	53.691	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.777	83	217985	46.477	ug/l	99
76) 1,2,3-Trichloropropane	10.819	75	239217	48.782	ug/l	98
77) Bromobenzene	10.777	156	150588	49.185	ug/l	99
78) n-propylbenzene	10.902	91	746069	53.586	ug/l	99
79) 2-Chlorotoluene	10.983	91	438493	50.968	ug/l	99
80) 1,3,5-Trimethylbenzene	11.082	105	532992	54.196	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.542	75	64602	51.192	ug/l	99
82) 4-Chlorotoluene	11.092	91	508280	51.832	ug/l	100
83) tert-Butylbenzene	11.417	119	525418	52.052	ug/l	100
84) 1,2,4-Trimethylbenzene	11.462	105	530826	54.381	ug/l	100
85) sec-Butylbenzene	11.639	105	675942	54.705	ug/l	100
86) p-Isopropyltoluene	11.790	119	578223	55.034	ug/l	99
87) 1,3-Dichlorobenzene	11.741	146	291531	49.951	ug/l	100
88) 1,4-Dichlorobenzene	11.831	146	293394	48.893	ug/l	99
89) n-Butylbenzene	12.204	91	499252	48.920	ug/l	100
90) Hexachloroethane	12.471	117	97551	48.395	ug/l	100
91) 1,2-Dichlorobenzene	12.208	146	289199	49.137	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.992	75	48831	50.176	ug/l	99
93) 1,2,4-Trichlorobenzene	13.835	180	190089	55.301	ug/l	100
94) Hexachlorobutadiene	14.015	225	94986	49.853	ug/l	99
95) Naphthalene	14.082	128	569294	49.878	ug/l	100
96) 1,2,3-Trichlorobenzene	14.323	180	187290	54.884	ug/l	100

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

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