

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011923\
 Data File : VU052737.D
 Acq On : 19 Jan 2023 14:08
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Jan 20 00:36:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U011923W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 20 00:33:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.369	168	212700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	338092	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	317581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	169239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	147425	44.179	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.360%		
35) Dibromofluoromethane	5.285	113	117508	50.287	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.580%		
50) Toluene-d8	7.893	98	442935	49.644	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.280%		
62) 4-Bromofluorobenzene	10.629	95	164352	50.825	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	118253	45.138	ug/l	100
3) Chloromethane	1.520	50	114550	31.082	ug/l	100
4) Vinyl Chloride	1.604	62	123075	38.130	ug/l	100
5) Bromomethane	1.858	94	61383	33.561	ug/l	100
6) Chloroethane	1.935	64	75990	38.892	ug/l	100
7) Trichlorofluoromethane	2.137	101	189061	45.435	ug/l	100
8) Diethyl Ether	2.375	74	69545	41.273	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.581	101	109184	44.234	ug/l	100
10) Methyl Iodide	2.723	142	97813	39.425	ug/l	100
11) Tert butyl alcohol	3.234	59	137769m	210.957	ug/l	
12) 1,1-Dichloroethene	2.578	96	106509	43.778	ug/l	100
13) Acrolein	2.485	56	118364	156.788	ug/l	100
14) Allyl chloride	2.922	41	180841	38.565	ug/l	100
15) Acrylonitrile	3.311	53	359472	205.992	ug/l	100
16) Acetone	2.636	43	356342	210.250	ug/l	100
17) Carbon Disulfide	2.793	76	315536	41.268	ug/l	100
18) Methyl Acetate	2.948	43	195896	39.884	ug/l	100
19) Methyl tert-butyl Ether	3.356	73	382304	45.361	ug/l	100
20) Methylene Chloride	3.044	84	129476	35.952	ug/l	100
21) trans-1,2-Dichloroethene	3.350	96	117464	44.564	ug/l	100
22) Diisopropyl ether	3.986	45	370299	40.910	ug/l	100
23) Vinyl Acetate	3.951	43	1455457	206.748	ug/l	100
24) 1,1-Dichloroethane	3.864	63	223194	41.493	ug/l	100
25) 2-Butanone	4.700	43	484108	208.907	ug/l	100
26) 2,2-Dichloropropane	4.658	77	186433	44.053	ug/l	100
27) cis-1,2-Dichloroethene	4.661	96	135077	44.682	ug/l	100
28) Bromochloromethane	4.970	49	95684	39.143	ug/l	100
29) Tetrahydrofuran	5.050	42	283725	202.661	ug/l	100
30) Chloroform	5.083	83	228077	41.233	ug/l	100
31) Cyclohexane	5.385	56	203361	40.487	ug/l	100
32) 1,1,1-Trichloroethane	5.311	97	200181	45.928	ug/l	100
36) 1,1-Dichloropropene	5.523	75	169760	47.130	ug/l	100
37) Ethyl Acetate	4.796	43	178436	39.358	ug/l	100
38) Carbon Tetrachloride	5.520	117	174068	51.180	ug/l	100
39) Methylcyclohexane	6.761	83	205306	49.522	ug/l	100
40) Benzene	5.771	78	504001	47.173	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.967	41	93186	44.128	ug/l	100
42) 1,2-Dichloroethane	5.790	62	182941	47.490	ug/l	100
43) Isopropyl Acetate	5.906	43	265465	44.739	ug/l	100
44) Trichloroethene	6.539	130	124391	48.851	ug/l	100
45) 1,2-Dichloropropane	6.787	63	128587	43.938	ug/l	100
46) Dibromomethane	6.912	93	88749	47.532	ug/l	100
47) Bromodichloromethane	7.102	83	177570	46.546	ug/l	100
48) Methyl methacrylate	6.954	41	124850	45.208	ug/l	100
49) 1,4-Dioxane	7.015	88	51003	969.342	ug/l	100
51) 4-Methyl-2-Pentanone	7.787	43	871841	225.443	ug/l	100
52) Toluene	7.963	92	316378	50.166	ug/l	100
53) t-1,3-Dichloropropene	8.205	75	195877	48.721	ug/l	100
54) cis-1,3-Dichloropropene	7.603	75	207615	47.689	ug/l	100
55) 1,1,2-Trichloroethane	8.394	97	126691	48.478	ug/l	100
56) Ethyl methacrylate	8.330	69	191945	50.352	ug/l	100
57) 1,3-Dichloropropane	8.571	76	219911	47.576	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.462	63	23665	174.512	ug/l	100
59) 2-Hexanone	8.681	43	687739	232.418	ug/l	100
60) Dibromochloromethane	8.806	129	137034	50.209	ug/l	100
61) 1,2-Dibromoethane	8.918	107	132661	50.052	ug/l	100
64) Tetrachloroethene	8.549	164	108129	52.362	ug/l	100
65) Chlorobenzene	9.443	112	327219	48.678	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.529	131	123045	50.383	ug/l	100
67) Ethyl Benzene	9.565	91	586866	50.600	ug/l	100
68) m/p-Xylenes	9.690	106	470424	107.140	ug/l	100
69) o-Xylene	10.095	106	221779	53.062	ug/l	100
70) Styrene	10.108	104	377310	53.909	ug/l	100
71) Bromoform	10.285	173	104828	50.806	ug/l #	100
73) Isopropylbenzene	10.478	105	590294	51.429	ug/l	100
74) N-amyl acetate	10.314	43	226110	44.120	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.777	83	206881	42.955	ug/l	100
76) 1,2,3-Trichloropropane	10.819	75	226605	43.093	ug/l	100
77) Bromobenzene	10.777	156	141190	48.991	ug/l	100
78) n-propylbenzene	10.902	91	714470	51.445	ug/l	100
79) 2-Chlorotoluene	10.983	91	420198	49.321	ug/l	100
80) 1,3,5-Trimethylbenzene	11.082	105	506939	52.395	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.539	75	59877	43.989	ug/l	100
82) 4-Chlorotoluene	11.092	91	484421	50.059	ug/l	100
83) tert-Butylbenzene	11.417	119	495638	51.372	ug/l	100
84) 1,2,4-Trimethylbenzene	11.462	105	503150	52.782	ug/l	100
85) sec-Butylbenzene	11.639	105	636166	52.447	ug/l	100
86) p-Isopropyltoluene	11.790	119	539762	54.223	ug/l	100
87) 1,3-Dichlorobenzene	11.741	146	278629	50.128	ug/l	100
88) 1,4-Dichlorobenzene	11.832	146	276258	48.721	ug/l	100
89) n-Butylbenzene	12.204	91	458840	51.123	ug/l	100
90) Hexachloroethane	12.471	117	91729	47.254	ug/l	100
91) 1,2-Dichlorobenzene	12.208	146	274955	49.942	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.989	75	45828	44.559	ug/l	100
93) 1,2,4-Trichlorobenzene	13.835	180	170631	52.858	ug/l	100
94) Hexachlorobutadiene	14.018	225	88631	51.620	ug/l	100
95) Naphthalene	14.082	128	517356	53.694	ug/l	100
96) 1,2,3-Trichlorobenzene	14.323	180	171587	52.963	ug/l	100

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

