

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011923\
 Data File : VU052734.D
 Acq On : 19 Jan 2023 12:57
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

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

Quant Time: Jan 20 00:34:04 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	191725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	318400	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	290824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.809	152	127596	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	78 - 117	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	92 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.385	85	2472	1.047	ug/l	96
3) Chloromethane	1.520	50	2794	0.841	ug/l	96
4) Vinyl Chloride	1.604	62	2340	0.804	ug/l	92
6) Chloroethane	1.932	64	1571	0.892	ug/l	98
7) Trichlorofluoromethane	2.137	101	3823	1.019	ug/l #	84
8) Diethyl Ether	2.375	74	1212	0.798	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.581	101	1984	0.892	ug/l #	85
12) 1,1-Dichloroethene	2.581	96	2213	1.009	ug/l #	94
14) Allyl chloride	2.919	41	2659	0.629	ug/l	96
15) Acrylonitrile	3.324	53	6454	4.103	ug/l	99
16) Acetone	2.632	43	6804	4.454	ug/l	100
17) Carbon Disulfide	2.790	76	6922	1.004	ug/l	98
18) Methyl Acetate	2.951	43	3947	0.892	ug/l #	88
19) Methyl tert-butyl Ether	3.359	73	6431	0.847	ug/l	97
20) Methylene Chloride	3.044	84	5084	1.566	ug/l	97
21) trans-1,2-Dichloroethene	3.350	96	2301	0.968	ug/l #	79
22) Diisopropyl ether	3.989	45	6159	0.755	ug/l #	72
23) Vinyl Acetate	3.960	43	22184	3.496	ug/l	96
24) 1,1-Dichloroethane	3.870	63	4374	0.902	ug/l #	83
25) 2-Butanone	4.729	43	7499	3.590	ug/l	91
26) 2,2-Dichloropropane	4.668	77	3322	0.871	ug/l	96
27) cis-1,2-Dichloroethene	4.665	96	2170	0.796	ug/l	63
28) Bromochloromethane	4.970	49	1799	0.816	ug/l #	87
29) Tetrahydrofuran	5.060	42	4182	3.314	ug/l	91
30) Chloroform	5.086	83	5494	1.102	ug/l	99
32) 1,1,1-Trichloroethane	5.314	97	3734	0.950	ug/l #	49
36) 1,1-Dichloropropene	5.523	75	3034	0.894	ug/l	97
37) Ethyl Acetate	4.809	43	3820m	0.895	ug/l	
38) Carbon Tetrachloride	5.520	117	3142	0.981	ug/l	96
39) Methylcyclohexane	6.761	83	2959	0.758	ug/l	91
40) Benzene	5.771	78	9480	0.942	ug/l	99
41) Methacrylonitrile	4.980	41	1411	0.710	ug/l #	55
42) 1,2-Dichloroethane	5.793	62	3319	0.915	ug/l	82
43) Isopropyl Acetate	5.912	43	4091	0.732	ug/l	99
44) Trichloroethene	6.536	130	2203	0.919	ug/l	97
45) 1,2-Dichloropropane	6.787	63	2373	0.861	ug/l #	84

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	6.912	93	1812	1.030	ug/l	88
47) Bromodichloromethane	7.102	83	3360	0.935	ug/l	94
48) Methyl methacrylate	6.964	41	1638	0.630	ug/l	92
49) 1,4-Dioxane	7.018	88	726	14.651	ug/l #	1
51) 4-Methyl-2-Pentanone	7.790	43	12962	3.559	ug/l	95
52) Toluene	7.963	92	4881	0.822	ug/l	94
53) t-1,3-Dichloropropene	8.208	75	3115	0.823	ug/l	99
54) cis-1,3-Dichloropropene	7.607	75	3259	0.795	ug/l	96
55) 1,1,2-Trichloroethane	8.394	97	2188	0.889	ug/l #	88
56) Ethyl methacrylate	8.333	69	2267	0.631	ug/l	97
57) 1,3-Dichloropropane	8.571	76	3823	0.878	ug/l	97
59) 2-Hexanone	8.687	43	8931	3.205	ug/l	92
60) Dibromochloromethane	8.809	129	2520	0.980	ug/l	93
61) 1,2-Dibromoethane	8.922	107	2151	0.862	ug/l	92
64) Tetrachloroethene	8.552	164	2133	1.128	ug/l #	83
65) Chlorobenzene	9.446	112	6227	1.012	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.529	131	2270	1.015	ug/l #	67
67) Ethyl Benzene	9.568	91	8995	0.847	ug/l	98
68) m/p-Xylenes	9.690	106	6593	1.640	ug/l	98
69) o-Xylene	10.098	106	3109	0.812	ug/l	92
70) Styrene	10.111	104	4469	0.697	ug/l	99
71) Bromoform	10.282	173	1761	0.932	ug/l #	99
73) Isopropylbenzene	10.481	105	7359	0.850	ug/l	97
74) N-amyl acetate	10.317	43	2582	0.668	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.780	83	3958	1.090	ug/l	89
76) 1,2,3-Trichloropropane	10.825	75	3499	0.883	ug/l	88
77) Bromobenzene	10.780	156	2213	1.018	ug/l	91
78) n-propylbenzene	10.902	91	7946	0.759	ug/l	99
79) 2-Chlorotoluene	10.986	91	5507	0.857	ug/l	100
80) 1,3,5-Trimethylbenzene	11.082	105	5342	0.732	ug/l	100
82) 4-Chlorotoluene	11.092	91	6092	0.835	ug/l	97
83) tert-Butylbenzene	11.417	119	6262	0.861	ug/l	90
84) 1,2,4-Trimethylbenzene	11.465	105	5213	0.725	ug/l	100
85) sec-Butylbenzene	11.639	105	6546	0.716	ug/l	99
86) p-Isopropyltoluene	11.790	119	5669	0.755	ug/l	96
87) 1,3-Dichlorobenzene	11.741	146	4063	0.970	ug/l	94
88) 1,4-Dichlorobenzene	11.831	146	4337	1.015	ug/l	89
89) n-Butylbenzene	12.208	91	4788	0.708	ug/l	96
90) Hexachloroethane	12.471	117	1513	1.034	ug/l	99
91) 1,2-Dichlorobenzene	12.211	146	4347	1.047	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.999	75	680	0.877	ug/l	85
93) 1,2,4-Trichlorobenzene	13.838	180	2040	0.838	ug/l	96
94) Hexachlorobutadiene	14.018	225	1330	1.027	ug/l	96
95) Naphthalene	14.085	128	5005	0.689	ug/l	97
96) 1,2,3-Trichlorobenzene	14.327	180	1932	0.791	ug/l	90

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

