

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011923\
 Data File : VU052745.D
 Acq On : 19 Jan 2023 19:07
 Operator : JC/MD
 Sample : MDL04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

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

Quant Time: Jan 20 01:35:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U011923W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 20 01:35:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.369	168	203748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	344983	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	311016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.809	152	139267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	152517	51.977	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	103.960%		
35) Dibromofluoromethane	5.285	113	117833	49.053	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.100%		
50) Toluene-d8	7.893	98	420572	46.686	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.380%		
62) 4-Bromofluorobenzene	10.629	95	143962	43.747	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.500%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	1084	0.451	ug/l	88
3) Chloromethane	1.520	50	2474	1.002	ug/l	94
4) Vinyl Chloride	1.604	62	1146	0.466	ug/l #	84
5) Bromomethane	1.858	94	1070	0.881	ug/l	82
6) Chloroethane	1.935	64	851	0.547	ug/l	92
7) Trichlorofluoromethane	2.134	101	1863	0.492	ug/l	86
8) Diethyl Ether	2.375	74	631	0.457	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.575	101	862	0.393	ug/l	92
10) Methyl Iodide	2.719	142	1292	0.718	ug/l #	96
12) 1,1-Dichloroethene	2.581	96	926	0.427	ug/l	82
13) Acrolein	2.491	56	1541	3.135	ug/l	99
14) Allyl chloride	2.925	41	1158	0.339	ug/l	98
15) Acrylonitrile	3.324	53	3285	2.381	ug/l	96
16) Acetone	2.639	43	3684	2.634	ug/l	94
17) Carbon Disulfide	2.790	76	4603	0.709	ug/l #	92
18) Methyl Acetate	2.951	43	2110	0.545	ug/l	90
19) Methyl tert-butyl Ether	3.359	73	3057	0.416	ug/l	96
20) Methylene Chloride	3.047	84	2399	0.762	ug/l #	90
21) trans-1,2-Dichloroethene	3.350	96	935	0.400	ug/l	96
22) Diisopropyl ether	3.993	45	2939m	0.414	ug/l	
23) Vinyl Acetate	3.964	43	10727	1.969	ug/l	95
24) 1,1-Dichloroethane	3.867	63	2008	0.446	ug/l #	82
25) 2-Butanone	4.732	43	3772m	2.091	ug/l	
26) 2,2-Dichloropropane	4.658	77	1489	0.403	ug/l	88
27) cis-1,2-Dichloroethene	4.668	96	1317	0.514	ug/l	90
28) Bromochloromethane	4.961	49	729m	0.388	ug/l	
29) Tetrahydrofuran	5.067	42	2439m	2.329	ug/l	
30) Chloroform	5.079	83	2388	0.496	ug/l	100
31) Cyclohexane	5.372	56	5837	1.420	ug/l #	16
32) 1,1,1-Trichloroethane	5.308	97	1658	0.421	ug/l #	51
36) 1,1-Dichloropropene	5.520	75	1515	0.440	ug/l	94
37) Ethyl Acetate	4.816	43	1722	0.460	ug/l #	67
38) Carbon Tetrachloride	5.517	117	1378	0.389	ug/l #	84
39) Methylcyclohexane	6.761	83	1866	0.465	ug/l	97
40) Benzene	5.774	78	4404	0.423	ug/l	99
41) Methacrylonitrile	4.983	41	574	0.317	ug/l #	61

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.790	62	2025	0.539	ug/l	80
43) Isopropyl Acetate	5.915	43	2295	0.439	ug/l #	90
44) Trichloroethene	6.536	130	1282	0.498	ug/l	92
45) 1,2-Dichloropropane	6.790	63	1112	0.414	ug/l #	74
46) Dibromomethane	6.922	93	958	0.515	ug/l #	83
47) Bromodichloromethane	7.105	83	1477	0.397	ug/l #	92
48) Methyl methacrylate	6.964	41	1103	0.463	ug/l #	83
49) 1,4-Dioxane	7.054	88	507m	10.995	ug/l	
51) 4-Methyl-2-Pentanone	7.793	43	7222	2.137	ug/l	100
52) Toluene	7.967	92	3063	0.487	ug/l	97
53) t-1,3-Dichloropropene	8.211	75	1616	0.416	ug/l	92
54) cis-1,3-Dichloropropene	7.607	75	1709	0.412	ug/l	97
55) 1,1,2-Trichloroethane	8.398	97	1168	0.455	ug/l #	83
56) Ethyl methacrylate	8.337	69	1356	0.375	ug/l	93
57) 1,3-Dichloropropane	8.568	76	1835	0.407	ug/l	93
59) 2-Hexanone	8.690	43	6120	2.350	ug/l	99
60) Dibromochloromethane	8.806	129	1228	0.435	ug/l	99
61) 1,2-Dibromoethane	8.925	107	1097	0.407	ug/l	90
64) Tetrachloroethene	8.552	164	1074	0.497	ug/l	89
65) Chlorobenzene	9.443	112	3247	0.493	ug/l	91
66) 1,1,1,2-Tetrachloroethane	9.533	131	1059	0.429	ug/l #	63
67) Ethyl Benzene	9.571	91	5118	0.460	ug/l	97
68) m/p-Xylenes	9.690	106	4016	0.930	ug/l	89
69) o-Xylene	10.099	106	1726	0.419	ug/l	98
70) Styrene	10.115	104	2902	0.429	ug/l	98
71) Bromoform	10.288	173	922	0.447	ug/l #	90
73) Isopropylbenzene	10.481	105	4170	0.455	ug/l	98
74) N-amyl acetate	10.320	43	2323	0.665	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	10.780	83	1713	0.471	ug/l	97
76) 1,2,3-Trichloropropane	10.825	75	2096m	0.552	ug/l	
77) Bromobenzene	10.783	156	1359	0.573	ug/l	80
78) n-propylbenzene	10.902	91	6275	0.582	ug/l	97
79) 2-Chlorotoluene	10.983	91	3748	0.562	ug/l	95
80) 1,3,5-Trimethylbenzene	11.086	105	3687	0.484	ug/l	93
81) trans-1,4-Dichloro-2-b...	10.546	75	294m	0.301	ug/l	
82) 4-Chlorotoluene	11.092	91	4565	0.601	ug/l	97
83) tert-Butylbenzene	11.414	119	3759	0.481	ug/l	97
84) 1,2,4-Trimethylbenzene	11.465	105	3793	0.501	ug/l	97
85) sec-Butylbenzene	11.639	105	4706	0.491	ug/l	94
86) p-Isopropyltoluene	11.793	119	4134	0.508	ug/l	90
87) 1,3-Dichlorobenzene	11.742	146	3060	0.677	ug/l	89
88) 1,4-Dichlorobenzene	11.832	146	3642m	0.783	ug/l	
89) n-Butylbenzene	12.208	91	4654	0.666	ug/l	96
90) Hexachloroethane	12.475	117	566	0.362	ug/l	96
91) 1,2-Dichlorobenzene	12.214	146	2794	0.613	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.992	75	508	0.674	ug/l	97
93) 1,2,4-Trichlorobenzene	13.841	180	2867	1.076	ug/l	98
94) Hexachlorobutadiene	14.018	225	1117	0.756	ug/l	89
95) Naphthalene	14.086	128	11366	1.504	ug/l	96
96) 1,2,3-Trichlorobenzene	14.330	180	3374	1.276	ug/l	98

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