

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022123\
 Data File : VX034202.D
 Acq On : 21 Feb 2023 11:29
 Operator : JC/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/22/2023
 Supervised By : Mahesh Dadoda 02/22/2023

Quant Time: Feb 22 02:52:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 22 02:40:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	338885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	553015	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	481889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	224931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	196997	43.163	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.320%		
35) Dibromofluoromethane	5.385	113	167037	46.391	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.780%		
50) Toluene-d8	8.647	98	618511	47.844	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.680%		
62) 4-Bromofluorobenzene	11.079	95	218269	44.140	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1211	0.414	ug/l	99
3) Chloromethane	1.300	50	2283	0.542	ug/l	100
4) Vinyl Chloride	1.374	62	2172	0.566	ug/l	92
5) Bromomethane	1.611	94	2000	1.313	ug/l	87
6) Chloroethane	1.691	64	1195	0.619	ug/l #	77
7) Trichlorofluoromethane	1.886	101	2790	0.537	ug/l	89
8) Diethyl Ether	2.142	74	1252	0.599	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	1571	0.430	ug/l	95
10) Methyl Iodide	2.453	142	1413	0.317	ug/l #	95
11) Tert butyl alcohol	2.953	59	5159	5.054	ug/l #	96
12) 1,1-Dichloroethene	2.325	96	1808	0.493	ug/l #	76
13) Acrolein	2.227	56	1519	3.260	ug/l	88
14) Allyl chloride	2.660	41	3118	0.401	ug/l #	82
15) Acrylonitrile	3.068	53	5291	2.376	ug/l	95
16) Acetone	2.380	43	5797	2.462	ug/l #	86
17) Carbon Disulfide	2.514	76	5265	0.500	ug/l	97
18) Methyl Acetate	2.703	43	3214	0.441	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	5742	0.444	ug/l	96
20) Methylene Chloride	2.788	84	3391	0.799	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	2038	0.531	ug/l	92
22) Diisopropyl ether	3.757	45	6322	0.464	ug/l #	38
23) Vinyl Acetate	3.727	43	23062	2.112	ug/l	97
24) 1,1-Dichloroethane	3.623	63	3210	0.429	ug/l #	86
25) 2-Butanone	4.574	43	8120	2.384	ug/l #	86
26) 2,2-Dichloropropane	4.471	77	3109	0.459	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	2129	0.468	ug/l	96
28) Bromochloromethane	4.910	49	1319	0.395	ug/l #	91
29) Tetrahydrofuran	5.019	42	4793	2.306	ug/l	95
30) Chloroform	5.105	83	3456m	0.481	ug/l	
31) Cyclohexane	5.477	56	3172	0.466	ug/l #	74
32) 1,1,1-Trichloroethane	5.385	97	2772	0.430	ug/l #	42
36) 1,1-Dichloropropene	5.702	75	2383	0.448	ug/l #	73
37) Ethyl Acetate	4.727	43	2811	0.472	ug/l #	83
38) Carbon Tetrachloride	5.672	117	2697	0.492	ug/l #	76
39) Methylcyclohexane	7.379	83	3011	0.439	ug/l	97
40) Benzene	6.043	78	7050	0.447	ug/l #	79

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	1749m	0.527	ug/l	
42) 1,2-Dichloroethane	6.086	62	2626	0.473	ug/l	94
43) Isopropyl Acetate	6.361	43	4069	0.387	ug/l #	61
44) Trichloroethene	7.135	130	2123m	0.524	ug/l	
45) 1,2-Dichloropropane	7.433	63	1740	0.414	ug/l	95
46) Dibromomethane	7.586	93	1309	0.473	ug/l	87
47) Bromodichloromethane	7.824	83	2489	0.439	ug/l	97
48) Methyl methacrylate	7.702	41	2039	0.409	ug/l	99
49) 1,4-Dioxane	7.671	88	998	10.038	ug/l #	99
51) 4-Methyl-2-Pentanone	8.574	43	12788	2.213	ug/l	95
52) Toluene	8.720	92	4242	0.444	ug/l	88
53) t-1,3-Dichloropropene	8.988	75	2424	0.371	ug/l #	87
54) cis-1,3-Dichloropropene	8.366	75	2855	0.408	ug/l	97
55) 1,1,2-Trichloroethane	9.159	97	1837	0.476	ug/l #	84
56) Ethyl methacrylate	9.122	69	2874	0.440	ug/l	93
57) 1,3-Dichloropropane	9.311	76	2994	0.446	ug/l	89
58) 2-Chloroethyl Vinyl ether	8.250	63	7341	2.596	ug/l	100
59) 2-Hexanone	9.433	43	8879	2.016	ug/l	97
60) Dibromochloromethane	9.525	129	1769	0.415	ug/l	95
61) 1,2-Dibromoethane	9.616	107	2001	0.490	ug/l	89
64) Tetrachloroethene	9.281	164	1620	0.476	ug/l	88
65) Chlorobenzene	10.079	112	4883	0.486	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	1826	0.470	ug/l #	62
67) Ethyl Benzene	10.195	91	7641	0.423	ug/l	99
68) m/p-Xylenes	10.299	106	6369	0.922	ug/l	99
69) o-Xylene	10.640	106	3208	0.467	ug/l	98
70) Styrene	10.659	104	4713	0.421	ug/l	93
71) Bromoform	10.805	173	1329	0.419	ug/l #	96
73) Isopropylbenzene	10.963	105	7899	0.461	ug/l	94
74) N-amyl acetate	10.848	43	3512	0.408	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	2872	0.490	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	2388m	0.422	ug/l	
77) Bromobenzene	11.201	156	1889	0.458	ug/l	85
78) n-propylbenzene	11.305	91	8620	0.432	ug/l	98
79) 2-Chlorotoluene	11.366	91	5265	0.431	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	6334	0.439	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.030	75	777m	0.353	ug/l	
82) 4-Chlorotoluene	11.457	91	5761	0.414	ug/l	99
83) tert-Butylbenzene	11.713	119	6004	0.407	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	6265	0.430	ug/l	97
85) sec-Butylbenzene	11.890	105	7472	0.417	ug/l	98
86) p-Isopropyltoluene	12.012	119	5855	0.395	ug/l #	80
87) 1,3-Dichlorobenzene	11.975	146	3627	0.469	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	4160m	0.533	ug/l	
89) n-Butylbenzene	12.335	91	5201	0.394	ug/l	94
90) Hexachloroethane	12.536	117	1325	0.427	ug/l	76
91) 1,2-Dichlorobenzene	12.341	146	3735	0.493	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	12.945	75	397	0.284	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	2136	0.440	ug/l	92
94) Hexachlorobutadiene	13.725	225	961	0.477	ug/l	93
95) Naphthalene	13.774	128	7263	0.444	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1948	0.404	ug/l	91

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

