

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022223\
 Data File : VX034235.D
 Acq On : 22 Feb 2023 17:41
 Operator : JC/MD
 Sample : 01627-09RE .2PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2023 .2PPB

Quant Time: Feb 23 03:24:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 23 03:17:23 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/23/2023
 Supervised By : Mahesh Dadoda 02/23/2023

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

Internal Standards						
1) Pentafluorobenzene	5.549	168	311548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	503433	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	440816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	206877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	184969	44.084	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.160%		
35) Dibromofluoromethane	5.385	113	159512	48.664	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.320%		
50) Toluene-d8	8.646	98	588288	49.988	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.980%		
62) 4-Bromofluorobenzene	11.079	95	208598	46.339	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.680%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	473	0.176	ug/l #	45
3) Chloromethane	1.294	50	981	0.253	ug/l	97
4) Vinyl Chloride	1.373	62	672	0.190	ug/l #	44
5) Bromomethane	1.611	94	660	0.471	ug/l	91
6) Chloroethane	1.690	64	572	0.322	ug/l	89
7) Trichlorofluoromethane	1.891	101	1069	0.224	ug/l	91
8) Diethyl Ether	2.135	74	669	0.348	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.330	101	539	0.160	ug/l	90
10) Methyl Iodide	2.452	142	746	0.182	ug/l #	80
11) Tert butyl alcohol	2.946	59	2607	2.778	ug/l #	91
12) 1,1-Dichloroethene	2.324	96	598	0.177	ug/l	86
13) Acrolein	2.245	56	636	1.485	ug/l	98
14) Allyl chloride	2.666	41	1340	0.187	ug/l #	79
15) Acrylonitrile	3.074	53	1966	0.960	ug/l #	87
16) Acetone	2.385	43	3346	1.546	ug/l #	80
17) Carbon Disulfide	2.513	76	1867	0.193	ug/l	97
18) Methyl Acetate	2.702	43	1672m	0.250	ug/l	
19) Methyl tert-butyl Ether	3.105	73	2030	0.171	ug/l #	61
20) Methylene Chloride	2.788	84	10316	2.645	ug/l	94
21) trans-1,2-Dichloroethene	3.092	96	860	0.244	ug/l #	71
22) Diisopropyl ether	3.763	45	2346	0.187	ug/l #	52
23) Vinyl Acetate	3.733	43	8870	0.883	ug/l	97
24) 1,1-Dichloroethane	3.611	63	999	0.145	ug/l #	81
25) 2-Butanone	4.586	43	3313m	1.058	ug/l	
26) 2,2-Dichloropropane	4.489	77	1386	0.222	ug/l #	60
27) cis-1,2-Dichloroethene	4.489	96	653	0.156	ug/l	78
28) Bromochloromethane	4.915	49	425	0.138	ug/l #	85
29) Tetrahydrofuran	5.019	42	2164m	1.133	ug/l	
30) Chloroform	5.104	83	1322	0.200	ug/l #	79
31) Cyclohexane	5.470	56	1220	0.195	ug/l #	66
32) 1,1,1-Trichloroethane	5.391	97	1085	0.183	ug/l #	48
36) 1,1-Dichloropropene	5.690	75	1093	0.225	ug/l #	83
37) Ethyl Acetate	4.732	43	2141m	0.395	ug/l	
38) Carbon Tetrachloride	5.677	117	962	0.193	ug/l #	79
39) Methylcyclohexane	7.384	83	1079	0.173	ug/l #	83
40) Benzene	6.043	78	2790	0.194	ug/l #	88

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41) Methacrylonitrile	4.958	41	742m	0.246	ug/l	
42) 1,2-Dichloroethane	6.098	62	1222	0.242	ug/l	97
43) Isopropyl Acetate	6.348	43	2316m	0.242	ug/l	
44) Trichloroethene	7.134	130	823	0.223	ug/l	80
45) 1,2-Dichloropropane	7.427	63	753	0.197	ug/l	97
46) Dibromomethane	7.579	93	535	0.213	ug/l #	73
47) Bromodichloromethane	7.836	83	874	0.169	ug/l #	76
48) Methyl methacrylate	7.708	41	861	0.190	ug/l #	80
49) 1,4-Dioxane	7.701	88	225	2.486	ug/l #	56
51) 4-Methyl-2-Pentanone	8.579	43	4814	0.915	ug/l	97
52) Toluene	8.720	92	1917	0.220	ug/l	98
53) t-1,3-Dichloropropene	8.994	75	822	0.138	ug/l #	86
54) cis-1,3-Dichloropropene	8.366	75	1018	0.160	ug/l	91
55) 1,1,2-Trichloroethane	9.165	97	720	0.205	ug/l #	74
56) Ethyl methacrylate	9.128	69	1049m	0.176	ug/l	
57) 1,3-Dichloropropane	9.311	76	999	0.163	ug/l #	83
58) 2-Chloroethyl Vinyl ether	8.250	63	3340	1.297	ug/l	96
59) 2-Hexanone	9.445	43	3548	0.885	ug/l	95
60) Dibromochloromethane	9.518	129	606	0.156	ug/l	95
61) 1,2-Dibromoethane	9.616	107	630	0.170	ug/l	91
64) Tetrachloroethene	9.274	164	757	0.243	ug/l #	82
65) Chlorobenzene	10.079	112	1949	0.212	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.158	131	641	0.180	ug/l #	66
67) Ethyl Benzene	10.195	91	3041	0.184	ug/l #	80
68) m/p-Xylenes	10.305	106	2355	0.373	ug/l	92
69) o-Xylene	10.646	106	1200	0.191	ug/l	95
70) Styrene	10.664	104	1890	0.185	ug/l #	90
71) Bromoform	10.805	173	403	0.139	ug/l #	29
73) Isopropylbenzene	10.963	105	2992	0.190	ug/l	94
74) N-amyl acetate	10.847	43	1586	0.200	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	11.213	83	909	0.169	ug/l	94
76) 1,2,3-Trichloropropane	11.243	75	955m	0.183	ug/l	
77) Bromobenzene	11.201	156	877	0.231	ug/l	95
78) n-propylbenzene	11.304	91	3364	0.183	ug/l	98
79) 2-Chlorotoluene	11.365	91	2297	0.204	ug/l	91
80) 1,3,5-Trimethylbenzene	11.451	105	2589	0.195	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.024	75	250m	0.123	ug/l	
82) 4-Chlorotoluene	11.457	91	2629	0.205	ug/l	96
83) tert-Butylbenzene	11.713	119	2561	0.189	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	2490	0.186	ug/l	92
85) sec-Butylbenzene	11.890	105	2809	0.170	ug/l	99
86) p-Isopropyltoluene	12.012	119	2431	0.178	ug/l #	76
87) 1,3-Dichlorobenzene	11.969	146	1639	0.230	ug/l	90
88) 1,4-Dichlorobenzene	12.042	146	1648m	0.230	ug/l	
89) n-Butylbenzene	12.335	91	1980	0.163	ug/l	97
90) Hexachloroethane	12.542	117	441	0.155	ug/l	71
91) 1,2-Dichlorobenzene	12.335	146	1567	0.225	ug/l	88
92) 1,2-Dibromo-3-Chloropr...	12.950	75	122	0.095	ug/l	82
93) 1,2,4-Trichlorobenzene	13.597	180	834	0.187	ug/l	91
94) Hexachlorobutadiene	13.719	225	459	0.248	ug/l	89
95) Naphthalene	13.780	128	3785	0.251	ug/l	97
96) 1,2,3-Trichlorobenzene	13.962	180	886	0.200	ug/l	90

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

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