

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101323\
 Data File : VX038280.D
 Acq On : 13 Oct 2023 13:01
 Operator : JC/MD
 Sample : 04699-09 0.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2023

Quant Time: Oct 14 00:57:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 14 00:55:23 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2023
 Supervised By :Mahesh Dadoda 10/16/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	133686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	229939	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	224012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99671	46.353	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.700%		
35) Dibromofluoromethane	5.385	113	77096	46.532	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.060%		
50) Toluene-d8	8.647	98	285761	45.135	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.260%#		
62) 4-Bromofluorobenzene	11.079	95	104355	43.477	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.960%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	653	0.506	ug/l	93
3) Chloromethane	1.294	50	710	0.540	ug/l	94
4) Vinyl Chloride	1.374	62	859	0.589	ug/l #	69
5) Bromomethane	1.611	94	1027	0.516	ug/l	97
6) Chloroethane	1.691	64	758	0.586	ug/l #	83
7) Trichlorofluoromethane	1.886	101	1453	0.504	ug/l	98
8) Diethyl Ether	2.136	74	489	0.455	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	657	0.523	ug/l #	93
10) Methyl Iodide	2.453	142	751	0.415	ug/l #	80
11) Tert butyl alcohol	2.959	59	1005	1.919	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	546	0.446	ug/l #	68
13) Acrolein	2.233	56	623	2.038	ug/l	94
14) Allyl chloride	2.666	41	1027	0.469	ug/l	98
15) Acrylonitrile	3.062	53	2153	2.200	ug/l	94
16) Acetone	2.373	43	2423	2.700	ug/l	91
17) Carbon Disulfide	2.514	76	1694	0.481	ug/l #	92
18) Methyl Acetate	2.703	43	1814	0.471	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	1984	0.407	ug/l	98
20) Methylene Chloride	2.794	84	918	0.544	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	666	0.440	ug/l	94
22) Diisopropyl ether	3.763	45	1707	0.372	ug/l #	82
23) Vinyl Acetate	3.733	43	5729	1.704	ug/l	99
24) 1,1-Dichloroethane	3.605	63	1204	0.433	ug/l #	83
25) 2-Butanone	4.574	43	2933	2.026	ug/l #	82
26) 2,2-Dichloropropane	4.471	77	829	0.382	ug/l #	67
27) cis-1,2-Dichloroethene	4.513	96	813m	0.451	ug/l	
28) Bromochloromethane	4.891	49	558	0.444	ug/l #	96
29) Tetrahydrofuran	5.019	42	1867	1.980	ug/l #	86
30) Chloroform	5.086	83	1311	0.431	ug/l	98
31) Cyclohexane	5.446	56	1145m	0.491	ug/l	
32) 1,1,1-Trichloroethane	5.385	97	959	0.368	ug/l #	49
36) 1,1-Dichloropropene	5.690	75	1163	0.509	ug/l #	80
37) Ethyl Acetate	4.739	43	1072m	0.395	ug/l	
38) Carbon Tetrachloride	5.672	117	1180	0.525	ug/l #	71
39) Methylcyclohexane	7.379	83	1156	0.432	ug/l	91
40) Benzene	6.031	78	2793	0.437	ug/l #	90

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41) Methacrylonitrile	4.946	41	487m	0.361	ug/l	
42) 1,2-Dichloroethane	6.092	62	1250	0.490	ug/l	87
43) Isopropyl Acetate	6.348	43	1508	0.372	ug/l #	84
44) Trichloroethene	7.141	130	734m	0.439	ug/l	
45) 1,2-Dichloropropane	7.427	63	670	0.405	ug/l #	76
46) Dibromomethane	7.592	93	497	0.387	ug/l #	84
47) Bromodichloromethane	7.824	83	910	0.399	ug/l #	96
48) Methyl methacrylate	7.702	41	657	0.340	ug/l #	84
49) 1,4-Dioxane	7.665	88	333	6.988	ug/l #	90
51) 4-Methyl-2-Pentanone	8.574	43	5177	1.853	ug/l	100
52) Toluene	8.720	92	1817	0.436	ug/l	81
53) t-1,3-Dichloropropene	8.988	75	724	0.296	ug/l	95
54) cis-1,3-Dichloropropene	8.372	75	841	0.327	ug/l	97
55) 1,1,2-Trichloroethane	9.159	97	721	0.405	ug/l #	85
56) Ethyl methacrylate	9.122	69	807	0.296	ug/l #	85
57) 1,3-Dichloropropane	9.311	76	1278	0.444	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.250	63	2353	1.756	ug/l	95
59) 2-Hexanone	9.433	43	3931	1.750	ug/l	93
60) Dibromochloromethane	9.525	129	518	0.297	ug/l	84
61) 1,2-Dibromoethane	9.610	107	714	0.371	ug/l	97
64) Tetrachloroethene	9.275	164	612	0.422	ug/l #	88
65) Chlorobenzene	10.079	112	2082	0.444	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	606	0.382	ug/l #	65
67) Ethyl Benzene	10.195	91	3218	0.385	ug/l	90
68) m/p-Xylenes	10.305	106	2593	0.801	ug/l	94
69) o-Xylene	10.640	106	1128	0.357	ug/l	83
70) Styrene	10.659	104	1865	0.363	ug/l	97
71) Bromoform	10.799	173	385	0.295	ug/l #	84
73) Isopropylbenzene	10.963	105	3039	0.397	ug/l	97
74) N-amyl acetate	10.841	43	808	0.247	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	11.213	83	1216	0.433	ug/l #	94
76) 1,2,3-Trichloropropane	11.238	75	1361m	0.524	ug/l	
77) Bromobenzene	11.195	156	906	0.485	ug/l	87
78) n-propylbenzene	11.305	91	3899	0.416	ug/l	96
79) 2-Chlorotoluene	11.366	91	2564	0.462	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	2504	0.379	ug/l	99
82) 4-Chlorotoluene	11.457	91	2878	0.438	ug/l	99
83) tert-Butylbenzene	11.719	119	2487	0.385	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	2340	0.355	ug/l	88
85) sec-Butylbenzene	11.890	105	3156	0.377	ug/l	99
86) p-Isopropyltoluene	12.012	119	2526	0.366	ug/l #	75
87) 1,3-Dichlorobenzene	11.975	146	1806	0.481	ug/l	87
88) 1,4-Dichlorobenzene	12.042	146	1852m	0.483	ug/l	
89) n-Butylbenzene	12.335	91	2481	0.361	ug/l	97
90) Hexachloroethane	12.536	117	431	0.377	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	1549	0.429	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.951	75	122	0.180	ug/l #	30
93) 1,2,4-Trichlorobenzene	13.597	180	1083	0.447	ug/l	96
94) Hexachlorobutadiene	13.725	225	482	0.495	ug/l	93
95) Naphthalene	13.780	128	2927	0.347	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	964	0.411	ug/l	97

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

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