

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013024\
 Data File : VX040023.D
 Acq On : 30 Jan 2024 16:49
 Operator : JC/MD
 Sample : P1187-07 0.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2024

Quant Time: Jan 31 06:41:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 31 06:40:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/31/2024
 Supervised By : Semsettin Yesilyurt 01/31/2024

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	84447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	153610	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	137329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64173	47.218	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.440%		
35) Dibromofluoromethane	5.385	113	48536	46.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.840%		
50) Toluene-d8	8.647	98	177327	45.346	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.700%#		
62) 4-Bromofluorobenzene	11.079	95	61543	40.872	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	81.740%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	321	0.337	ug/l #	41
3) Chloromethane	1.295	50	450	0.499	ug/l #	43
4) Vinyl Chloride	1.374	62	399	0.478	ug/l	97
5) Bromomethane	1.618	94	325	0.401	ug/l	84
6) Chloroethane	1.691	64	251	0.456	ug/l #	72
7) Trichlorofluoromethane	1.892	101	629	0.474	ug/l #	60
8) Diethyl Ether	2.136	74	217	0.462	ug/l #	24
9) 1,1,2-Trichlorotrifluo...	2.325	101	532	0.537	ug/l #	77
10) Methyl Iodide	2.459	142	420	0.398	ug/l #	78
11) Tert butyl alcohol	2.953	59	690	2.798	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	429	0.452	ug/l #	74
13) Acrolein	2.239	56	574	2.429	ug/l	97
14) Allyl chloride	2.666	41	719	0.420	ug/l	88
15) Acrylonitrile	3.062	53	1273	2.061	ug/l	93
16) Acetone	2.380	43	1554	2.440	ug/l #	86
17) Carbon Disulfide	2.514	76	1631	0.587	ug/l	97
18) Methyl Acetate	2.703	43	642	0.426	ug/l #	86
19) Methyl tert-butyl Ether	3.123	73	1292	0.397	ug/l	95
20) Methylene Chloride	2.788	84	643	0.568	ug/l #	80
21) trans-1,2-Dichloroethene	3.099	96	529	0.506	ug/l #	69
22) Diisopropyl ether	3.757	45	1362	0.411	ug/l #	57
23) Vinyl Acetate	3.733	43	5361	1.806	ug/l	99
24) 1,1-Dichloroethane	3.611	63	795	0.419	ug/l #	83
25) 2-Butanone	4.580	43	1732m	1.957	ug/l	
26) 2,2-Dichloropropane	4.477	77	430	0.290	ug/l #	66
27) cis-1,2-Dichloroethene	4.507	96	498	0.427	ug/l	77
28) Bromochloromethane	4.898	49	328m	0.370	ug/l	
29) Tetrahydrofuran	5.038	42	1126m	2.001	ug/l	
30) Chloroform	5.105	83	786	0.385	ug/l	90
31) Cyclohexane	5.471	56	711m	0.418	ug/l	
32) 1,1,1-Trichloroethane	5.397	97	630m	0.360	ug/l	
36) 1,1-Dichloropropene	5.708	75	808	0.534	ug/l #	54
37) Ethyl Acetate	4.739	43	758m	0.459	ug/l	
38) Carbon Tetrachloride	5.678	117	602	0.416	ug/l #	59
39) Methylcyclohexane	7.385	83	680	0.370	ug/l #	74
40) Benzene	6.044	78	1711	0.388	ug/l	95

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41) Methacrylonitrile	4.928	41	304m	0.363	ug/l	
42) 1,2-Dichloroethane	6.092	62	746	0.440	ug/l #	77
43) Isopropyl Acetate	6.336	43	903m	0.347	ug/l	
44) Trichloroethene	7.135	130	482	0.416	ug/l	83
45) 1,2-Dichloropropane	7.446	63	422	0.363	ug/l #	81
46) Dibromomethane	7.598	93	352	0.403	ug/l	92
47) Bromodichloromethane	7.824	83	662	0.426	ug/l #	68
48) Methyl methacrylate	7.708	41	297	0.231	ug/l #	36
49) 1,4-Dioxane	7.684	88	227	8.142	ug/l #	50
51) 4-Methyl-2-Pentanone	8.574	43	3248	1.827	ug/l	97
52) Toluene	8.720	92	1252	0.456	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	615	0.381	ug/l #	43
54) cis-1,3-Dichloropropene	8.373	75	658	0.382	ug/l #	74
55) 1,1,2-Trichloroethane	9.153	97	390	0.343	ug/l #	83
56) Ethyl methacrylate	9.122	69	429	0.259	ug/l #	62
57) 1,3-Dichloropropane	9.311	76	659	0.352	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.251	63	1602	1.920	ug/l	98
59) 2-Hexanone	9.439	43	2371	1.673	ug/l	99
60) Dibromochloromethane	9.525	129	400	0.350	ug/l	84
61) 1,2-Dibromoethane	9.610	107	529	0.431	ug/l	81
64) Tetrachloroethene	9.269	164	417	0.467	ug/l #	75
65) Chlorobenzene	10.079	112	1496	0.527	ug/l #	80
66) 1,1,1,2-Tetrachloroethane	10.165	131	393	0.410	ug/l #	55
67) Ethyl Benzene	10.201	91	1987	0.390	ug/l #	83
68) m/p-Xylenes	10.305	106	1546	0.807	ug/l	93
69) o-Xylene	10.640	106	776	0.427	ug/l	96
70) Styrene	10.659	104	978	0.319	ug/l	88
71) Bromoform	10.799	173	311	0.424	ug/l #	71
73) Isopropylbenzene	10.963	105	1758	0.394	ug/l	100
74) N-amyl acetate	10.854	43	575	0.283	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	11.207	83	661	0.394	ug/l #	94
76) 1,2,3-Trichloropropane	11.238	75	615m	0.465	ug/l	
77) Bromobenzene	11.201	156	500	0.486	ug/l	89
78) n-propylbenzene	11.305	91	2381	0.434	ug/l	99
79) 2-Chlorotoluene	11.366	91	1552	0.469	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	1511	0.394	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	100m	0.235	ug/l	
82) 4-Chlorotoluene	11.457	91	1711	0.451	ug/l	90
83) tert-Butylbenzene	11.713	119	1371	0.373	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	1407	0.368	ug/l	93
85) sec-Butylbenzene	11.890	105	1858	0.382	ug/l	96
86) p-Isopropyltoluene	12.006	119	1557	0.392	ug/l #	77
87) 1,3-Dichlorobenzene	11.969	146	1051	0.506	ug/l	91
88) 1,4-Dichlorobenzene	12.043	146	1195m	0.562	ug/l	
89) n-Butylbenzene	12.335	91	1635	0.424	ug/l	95
90) Hexachloroethane	12.530	117	182	0.290	ug/l	73
91) 1,2-Dichlorobenzene	12.335	146	863	0.431	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	100	0.263	ug/l #	45
93) 1,2,4-Trichlorobenzene	13.591	180	673	0.538	ug/l	93
94) Hexachlorobutadiene	13.719	225	236	0.479	ug/l	73
95) Naphthalene	13.780	128	1726	0.406	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	556	0.449	ug/l	93

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

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