

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013024\
 Data File : VX040022.D
 Acq On : 30 Jan 2024 16:26
 Operator : JC/MD
 Sample : P1187-07 0.2PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jan 31 06:40:57 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	5.550	168	84555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	155083	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	74611	54.829	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.660%			
35) Dibromofluoromethane	5.385	113	55088	52.181	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.360%			
50) Toluene-d8	8.647	98	197374	49.993	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.980%			
62) 4-Bromofluorobenzene	11.079	95	73508	48.354	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	183	0.192	ug/l #	41
3) Chloromethane	1.295	50	276	0.306	ug/l	93
4) Vinyl Chloride	1.374	62	216	0.259	ug/l #	76
5) Bromomethane	1.612	94	71	0.087	ug/l #	60
6) Chloroethane	1.691	64	160	0.290	ug/l #	43
7) Trichlorofluoromethane	1.886	101	404	0.304	ug/l #	73
9) 1,1,2-Trichlorotrifluo...	2.325	101	273	0.275	ug/l #	61
10) Methyl Iodide	2.459	142	217	0.206	ug/l #	45
11) Tert butyl alcohol	2.953	59	439	1.778	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	259	0.272	ug/l #	93
13) Acrolein	2.240	56	181	0.765	ug/l	99
14) Allyl chloride	2.666	41	447	0.261	ug/l #	74
15) Acrylonitrile	3.075	53	650	1.051	ug/l	95
16) Acetone	2.374	43	1048	1.644	ug/l	91
17) Carbon Disulfide	2.514	76	1273	0.458	ug/l #	93
18) Methyl Acetate	2.703	43	295	0.195	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	774	0.238	ug/l #	54
20) Methylene Chloride	2.788	84	358	0.316	ug/l #	86
21) trans-1,2-Dichloroethene	3.099	96	346	0.330	ug/l #	57
22) Diisopropyl ether	3.764	45	706	0.213	ug/l #	63
23) Vinyl Acetate	3.745	43	2556	0.860	ug/l #	73
24) 1,1-Dichloroethane	3.617	63	403	0.212	ug/l #	83
25) 2-Butanone	4.587	43	884m	0.997	ug/l	
26) 2,2-Dichloropropane	4.471	77	263	0.177	ug/l #	54
27) cis-1,2-Dichloroethene	4.501	96	93	0.080	ug/l	76
28) Bromochloromethane	4.904	49	24	0.027	ug/l #	1
29) Tetrahydrofuran	5.019	42	371m	0.658	ug/l	
30) Chloroform	5.099	83	425	0.208	ug/l #	68
31) Cyclohexane	5.471	56	384	0.225	ug/l #	70
32) 1,1,1-Trichloroethane	5.379	97	367	0.209	ug/l #	23
36) 1,1-Dichloropropene	5.696	75	443	0.290	ug/l #	48
37) Ethyl Acetate	4.715	43	81	0.049	ug/l #	69
38) Carbon Tetrachloride	5.666	117	311m	0.213	ug/l	
39) Methylcyclohexane	7.379	83	404	0.217	ug/l #	77
40) Benzene	6.038	78	1073	0.241	ug/l #	89
41) Methacrylonitrile	4.940	41	51	0.060	ug/l #	21

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.092	62	326	0.190	ug/l #	77
43) Isopropyl Acetate	6.342	43	563m	0.214	ug/l	
44) Trichloroethene	7.123	130	290	0.248	ug/l	43
45) 1,2-Dichloropropane	7.440	63	147	0.125	ug/l #	44
46) Dibromomethane	7.580	93	142	0.161	ug/l #	16
47) Bromodichloromethane	7.824	83	225	0.143	ug/l #	78
48) Methyl methacrylate	7.702	41	52	0.040	ug/l #	47
51) 4-Methyl-2-Pentanone	8.574	43	1504	0.838	ug/l	94
52) Toluene	8.720	92	587	0.212	ug/l	96
53) t-1,3-Dichloropropene	8.988	75	330	0.203	ug/l #	43
54) cis-1,3-Dichloropropene	8.373	75	317	0.182	ug/l #	38
55) 1,1,2-Trichloroethane	9.165	97	244	0.213	ug/l #	80
56) Ethyl methacrylate	9.135	69	245	0.146	ug/l #	58
57) 1,3-Dichloropropane	9.311	76	292	0.155	ug/l #	81
58) 2-Chloroethyl Vinyl ether	8.257	63	1596	1.894	ug/l	99
59) 2-Hexanone	9.439	43	1159	0.810	ug/l	82
60) Dibromochloromethane	9.525	129	166	0.144	ug/l	98
61) 1,2-Dibromoethane	9.610	107	210	0.169	ug/l #	71
64) Tetrachloroethene	9.269	164	209	0.235	ug/l #	68
65) Chlorobenzene	10.086	112	718	0.254	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	80	0.084	ug/l #	36
67) Ethyl Benzene	10.195	91	1139	0.224	ug/l	93
68) m/p-Xylenes	10.311	106	808	0.423	ug/l	94
69) o-Xylene	10.647	106	379	0.209	ug/l	99
70) Styrene	10.665	104	569	0.186	ug/l	94
71) Bromoform	10.799	173	129	0.176	ug/l #	29
73) Isopropylbenzene	10.957	105	1052	0.216	ug/l	98
74) N-amyl acetate	10.848	43	304	0.137	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	11.207	83	349	0.190	ug/l #	96
76) 1,2,3-Trichloropropane	11.244	75	278m	0.192	ug/l	
77) Bromobenzene	11.201	156	270	0.240	ug/l	88
78) n-propylbenzene	11.311	91	1332	0.222	ug/l	92
79) 2-Chlorotoluene	11.360	91	830	0.230	ug/l	96
80) 1,3,5-Trimethylbenzene	11.457	105	873	0.208	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.025	75	20m	0.043	ug/l	
82) 4-Chlorotoluene	11.451	91	1226	0.296	ug/l	88
83) tert-Butylbenzene	11.713	119	926	0.231	ug/l	92
84) 1,2,4-Trimethylbenzene	11.756	105	961	0.230	ug/l	91
85) sec-Butylbenzene	11.890	105	1347	0.254	ug/l	93
86) p-Isopropyltoluene	12.012	119	918	0.212	ug/l #	53
87) 1,3-Dichlorobenzene	11.976	146	714	0.315	ug/l	91
88) 1,4-Dichlorobenzene	12.043	146	920m	0.396	ug/l	
89) n-Butylbenzene	12.335	91	1141	0.271	ug/l	96
90) Hexachloroethane	12.536	117	53	0.077	ug/l #	17
91) 1,2-Dichlorobenzene	12.335	146	466	0.213	ug/l	83
92) 1,2-Dibromo-3-Chloropr...	12.945	75	40	0.096	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.591	180	486	0.356	ug/l	92
94) Hexachlorobutadiene	13.725	225	165	0.306	ug/l #	62
95) Naphthalene	13.780	128	1267	0.273	ug/l #	91
96) 1,2,3-Trichlorobenzene	13.969	180	430	0.318	ug/l #	87

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