

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061924\
 Data File : VX041945.D
 Acq On : 19 Jun 2024 14:26
 Operator : JC/MD
 Sample : P2403-07 0.75PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2024

Quant Time: Jun 20 01:33:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:30:37 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/20/2024
 Supervised By :Mahesh Dadoda 06/20/2024

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	173506	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	262259	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	110587	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	92504	46.235	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.460%		
35) Dibromofluoromethane	5.385	113	80136	43.064	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.120%		
50) Toluene-d8	8.647	98	281320	43.033	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	86.060%#		
62) 4-Bromofluorobenzene	11.079	95	96334	39.976	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	79.960%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	1078	0.816	ug/l	91
3) Chloromethane	1.301	50	1632	0.984	ug/l	# 87
4) Vinyl Chloride	1.374	62	1412	0.849	ug/l	89
5) Bromomethane	1.593	94	947	1.154	ug/l	95
6) Chloroethane	1.666	64	892m	1.066	ug/l	
7) Trichlorofluoromethane	1.868	101	1862	0.855	ug/l	85
8) Diethyl Ether	2.136	74	847	0.829	ug/l	65
9) 1,1,2-Trichlorotrifluo...	2.319	101	1250	0.833	ug/l	# 80
10) Methyl Iodide	2.441	142	1525	0.818	ug/l	# 81
11) Tert butyl alcohol	3.002	59	1499	3.948	ug/l	99
12) 1,1-Dichloroethene	2.300	96	1271	0.849	ug/l	# 73
13) Acrolein	2.239	56	1446	3.397	ug/l	97
14) Allyl chloride	2.654	41	1989	0.838	ug/l	92
15) Acrylonitrile	3.075	53	3789	3.820	ug/l	99
16) Acetone	2.392	43	4062	4.624	ug/l	98
17) Carbon Disulfide	2.496	76	2415	0.791	ug/l	# 90
18) Methyl Acetate	2.709	43	2050	0.855	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	3962	0.801	ug/l	96
20) Methylene Chloride	2.788	84	2205	1.146	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	1273	0.838	ug/l	# 78
22) Diisopropyl ether	3.776	45	4004	0.798	ug/l	96
23) Vinyl Acetate	3.733	43	14936	3.486	ug/l	96
24) 1,1-Dichloroethane	3.605	63	2284	0.813	ug/l	# 84
25) 2-Butanone	4.605	43	5195	3.801	ug/l	97
26) 2,2-Dichloropropane	4.477	77	1460	0.718	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	1529	0.804	ug/l	82
28) Bromochloromethane	4.904	49	949	0.789	ug/l	# 83
29) Tetrahydrofuran	5.038	42	3521	3.989	ug/l	# 65
30) Chloroform	5.111	83	2310	0.789	ug/l	# 80
31) Cyclohexane	5.464	56	1868	0.798	ug/l	# 86
32) 1,1,1-Trichloroethane	5.373	97	2026	0.828	ug/l	# 47
36) 1,1-Dichloropropene	5.696	75	1542	0.780	ug/l	97
37) Ethyl Acetate	4.745	43	1637	0.636	ug/l	# 78
38) Carbon Tetrachloride	5.684	117	1688	0.773	ug/l	# 82
39) Methylcyclohexane	7.385	83	2002	0.801	ug/l	# 87
40) Benzene	6.038	78	5172	0.776	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	721	0.517	ug/l #	59
42) 1,2-Dichloroethane	6.086	62	1805	0.841	ug/l	89
43) Isopropyl Acetate	6.373	43	2685	0.680	ug/l	97
44) Trichloroethene	7.129	130	1356	0.759	ug/l	94
45) 1,2-Dichloropropane	7.434	63	1197	0.730	ug/l #	86
46) Dibromomethane	7.598	93	923	0.773	ug/l #	81
47) Bromodichloromethane	7.824	83	1474	0.672	ug/l	94
48) Methyl methacrylate	7.726	41	1340m	0.711	ug/l	
49) 1,4-Dioxane	7.696	88	517	11.340	ug/l #	82
51) 4-Methyl-2-Pentanone	8.580	43	9436	3.467	ug/l	95
52) Toluene	8.726	92	3225	0.760	ug/l	90
53) t-1,3-Dichloropropene	8.988	75	1099	0.512	ug/l #	85
54) cis-1,3-Dichloropropene	8.373	75	1370	0.571	ug/l	93
55) 1,1,2-Trichloroethane	9.159	97	1368	0.774	ug/l #	87
56) Ethyl methacrylate	9.128	69	1543	0.561	ug/l #	92
57) 1,3-Dichloropropane	9.317	76	2105	0.737	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.251	63	4369	3.409	ug/l	98
59) 2-Hexanone	9.439	43	6904	3.312	ug/l	97
60) Dibromochloromethane	9.525	129	1289	0.671	ug/l	90
61) 1,2-Dibromoethane	9.616	107	1326	0.723	ug/l	93
64) Tetrachloroethene	9.275	164	1621	0.965	ug/l #	81
65) Chlorobenzene	10.080	112	3934	0.820	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	1202	0.716	ug/l #	64
67) Ethyl Benzene	10.201	91	5681	0.755	ug/l	97
68) m/p-Xylenes	10.305	106	4509	1.485	ug/l	93
69) o-Xylene	10.646	106	2227	0.741	ug/l	91
70) Styrene	10.665	104	3154	0.626	ug/l	93
71) Bromoform	10.805	173	1016	0.676	ug/l #	94
73) Isopropylbenzene	10.964	105	5092	0.757	ug/l	95
74) N-amyl acetate	10.848	43	1898	0.635	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	2027	0.811	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	1735m	0.864	ug/l	
77) Bromobenzene	11.201	156	1653	0.825	ug/l	79
78) n-propylbenzene	11.305	91	5397	0.740	ug/l	99
79) 2-Chlorotoluene	11.366	91	4143	0.881	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	4017	0.717	ug/l	90
81) trans-1,4-Dichloro-2-b...	11.018	75	417m	0.590	ug/l	
82) 4-Chlorotoluene	11.457	91	3791	0.730	ug/l	88
83) tert-Butylbenzene	11.713	119	4432	0.721	ug/l	90
84) 1,2,4-Trimethylbenzene	11.756	105	4061	0.723	ug/l	89
85) sec-Butylbenzene	11.890	105	4931	0.709	ug/l	99
86) p-Isopropyltoluene	12.012	119	4130	0.680	ug/l	97
87) 1,3-Dichlorobenzene	11.976	146	2923	0.830	ug/l	93
88) 1,4-Dichlorobenzene	12.043	146	2821m	0.783	ug/l	
89) n-Butylbenzene	12.335	91	2967	0.635	ug/l	95
90) Hexachloroethane	12.536	117	785	0.759	ug/l	83
91) 1,2-Dichlorobenzene	12.341	146	2912	0.808	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	12.951	75	324	0.654	ug/l #	52
93) 1,2,4-Trichlorobenzene	13.591	180	1630	0.691	ug/l	91
94) Hexachlorobutadiene	13.731	225	893	0.748	ug/l	95
95) Naphthalene	13.780	128	4573	0.629	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1787	0.718	ug/l	91

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

