

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121224\
 Data File : VX044246.D
 Acq On : 12 Dec 2024 12:47
 Operator : JC/MD
 Sample : P4368-09 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2024

Quant Time: Dec 13 05:16:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 05:00:50 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/13/2024
 Supervised By : Mahesh Dadoda 12/13/2024

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	123805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	230757	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	118201	54.453	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.900%			
35) Dibromofluoromethane	5.385	113	82862	51.847	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.700%			
50) Toluene-d8	8.646	98	288909	53.582	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.160%			
62) 4-Bromofluorobenzene	11.079	95	94986	50.416	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	4687	2.448	ug/l	99
3) Chloromethane	1.300	50	4763	2.602	ug/l	98
4) Vinyl Chloride	1.373	62	4596	2.410	ug/l	96
5) Bromomethane	1.599	94	3691	2.728	ug/l	88
6) Chloroethane	1.666	64	3485	2.935	ug/l	97
7) Trichlorofluoromethane	1.867	101	9093	2.435	ug/l	100
8) Diethyl Ether	2.135	74	3128	2.454	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.318	101	3686	2.440	ug/l	99
10) Methyl Iodide	2.446	142	4624	2.322	ug/l	100
11) Tert butyl alcohol	2.995	59	2953m	9.653	ug/l	
12) 1,1-Dichloroethene	2.306	96	3340	2.407	ug/l	91
13) Acrolein	2.239	56	5055	11.415	ug/l	94
14) Allyl chloride	2.654	41	5833	2.524	ug/l	88
15) Acrylonitrile	3.068	53	10629	12.542	ug/l	97
16) Acetone	2.391	43	10861	12.273	ug/l	97
17) Carbon Disulfide	2.495	76	5473	2.075	ug/l #	91
18) Methyl Acetate	2.708	43	5961	2.612	ug/l	95
19) Methyl tert-butyl Ether	3.123	73	12960	2.393	ug/l	99
20) Methylene Chloride	2.788	84	4498	2.706	ug/l	87
21) trans-1,2-Dichloroethene	3.086	96	3632	2.463	ug/l	93
22) Diisopropyl ether	3.769	45	13130	2.523	ug/l #	85
23) Vinyl Acetate	3.727	43	46666	11.028	ug/l	95
24) 1,1-Dichloroethane	3.605	63	7345	2.532	ug/l	99
25) 2-Butanone	4.580	43	14604	11.608	ug/l #	88
26) 2,2-Dichloropropane	4.464	77	5599	2.375	ug/l #	75
27) cis-1,2-Dichloroethene	4.489	96	4720	2.520	ug/l	94
28) Bromochloromethane	4.903	49	3751	2.637	ug/l #	95
29) Tetrahydrofuran	5.013	42	9639	11.936	ug/l #	64
30) Chloroform	5.086	83	7940	2.436	ug/l	92
31) Cyclohexane	5.464	56	6150	2.625	ug/l #	78
32) 1,1,1-Trichloroethane	5.360	97	6190	2.288	ug/l #	24
36) 1,1-Dichloropropene	5.690	75	4907	2.375	ug/l #	84
37) Ethyl Acetate	4.732	43	6533m	2.558	ug/l	
38) Carbon Tetrachloride	5.671	117	5097	2.292	ug/l #	84
39) Methylcyclohexane	7.378	83	5529	2.239	ug/l	92
40) Benzene	6.031	78	15481	2.468	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	3101m	2.287	ug/l	
42) 1,2-Dichloroethane	6.086	62	7029	2.720	ug/l	99
43) Isopropyl Acetate	6.348	43	9073	2.273	ug/l #	90
44) Trichloroethene	7.128	130	3797	2.427	ug/l	87
45) 1,2-Dichloropropane	7.433	63	3785	2.362	ug/l	93
46) Dibromomethane	7.592	93	3046	2.450	ug/l	99
47) Bromodichloromethane	7.823	83	4559	2.123	ug/l #	89
48) Methyl methacrylate	7.708	41	4532	2.339	ug/l	93
49) 1,4-Dioxane	7.695	88	1597m	49.714	ug/l	
51) 4-Methyl-2-Pentanone	8.579	43	28427	11.077	ug/l	98
52) Toluene	8.720	92	9232	2.344	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	4355	2.072	ug/l	94
54) cis-1,3-Dichloropropene	8.366	75	5091	2.178	ug/l	97
55) 1,1,2-Trichloroethane	9.152	97	4136	2.643	ug/l	93
56) Ethyl methacrylate	9.122	69	5254	2.127	ug/l	95
57) 1,3-Dichloropropane	9.311	76	6673	2.450	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	14357	11.523	ug/l	98
59) 2-Hexanone	9.433	43	21092	11.354	ug/l	98
60) Dibromochloromethane	9.524	129	2908	1.935	ug/l	98
61) 1,2-Dibromoethane	9.616	107	3601	2.261	ug/l	99
64) Tetrachloroethene	9.268	164	3224	2.452	ug/l	90
65) Chlorobenzene	10.079	112	10596	2.497	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.158	131	3277	2.402	ug/l	97
67) Ethyl Benzene	10.195	91	17774	2.424	ug/l	97
68) m/p-Xylenes	10.299	106	12719	4.727	ug/l	96
69) o-Xylene	10.640	106	6444	2.367	ug/l	96
70) Styrene	10.658	104	9455	2.166	ug/l	95
71) Bromoform	10.798	173	1594	1.833	ug/l #	92
73) Isopropylbenzene	10.963	105	15580	2.403	ug/l	99
74) N-amyl acetate	10.847	43	6489	2.166	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	5874	2.609	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	5055m	2.674	ug/l	
77) Bromobenzene	11.195	156	4089	2.601	ug/l	95
78) n-propylbenzene	11.304	91	16750	2.338	ug/l	100
79) 2-Chlorotoluene	11.365	91	11962	2.582	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	12657	2.354	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.024	75	1179m	2.004	ug/l	
82) 4-Chlorotoluene	11.457	91	12444	2.425	ug/l	97
83) tert-Butylbenzene	11.713	119	12348	2.324	ug/l	92
84) 1,2,4-Trimethylbenzene	11.749	105	12475	2.363	ug/l	100
85) sec-Butylbenzene	11.890	105	15085	2.339	ug/l	98
86) p-Isopropyltoluene	12.012	119	11648	2.170	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	7266	2.646	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	7229	2.561	ug/l	87
89) n-Butylbenzene	12.335	91	9048	2.005	ug/l	99
90) Hexachloroethane	12.536	117	1480	1.889	ug/l	96
91) 1,2-Dichlorobenzene	12.341	146	6735	2.362	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	12.938	75	740	1.693	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	3363	2.152	ug/l	100
94) Hexachlorobutadiene	13.725	225	1364	2.170	ug/l	84
95) Naphthalene	13.780	128	11994	1.966	ug/l	97
96) 1,2,3-Trichlorobenzene	13.962	180	3794	2.289	ug/l	97

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

