

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121224\
 Data File : VX044244.D
 Acq On : 12 Dec 2024 12:01
 Operator : JC/MD
 Sample : P4368-09 0.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Dec 13 05:05:25 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	5.550	168	132946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	237245	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	197940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	114525	49.132	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.260%		
35) Dibromofluoromethane	5.385	113	78737	47.919	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.840%		
50) Toluene-d8	8.647	98	278165	50.179	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.360%		
62) 4-Bromofluorobenzene	11.079	95	88157	45.512	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	911	0.443	ug/l	96
3) Chloromethane	1.294	50	1145	0.582	ug/l	96
4) Vinyl Chloride	1.374	62	1024	0.500	ug/l	94
5) Bromomethane	1.593	94	1320	0.909	ug/l	96
6) Chloroethane	1.660	64	769m	0.603	ug/l	
7) Trichlorofluoromethane	1.867	101	1839	0.459	ug/l	96
8) Diethyl Ether	2.136	74	773	0.565	ug/l	69
9) 1,1,2-Trichlorotrifluo...	2.325	101	654	0.403	ug/l #	68
10) Methyl Iodide	2.441	142	859	0.402	ug/l	98
11) Tert butyl alcohol	2.995	59	557	1.695	ug/l #	71
12) 1,1-Dichloroethene	2.306	96	821	0.551	ug/l #	67
13) Acrolein	2.239	56	1014	2.132	ug/l	90
14) Allyl chloride	2.654	41	1495	0.602	ug/l #	91
15) Acrylonitrile	3.068	53	2067	2.271	ug/l #	88
16) Acetone	2.386	43	2454	2.582	ug/l	96
17) Carbon Disulfide	2.495	76	1443	0.509	ug/l	95
18) Methyl Acetate	2.703	43	1400	0.571	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	2613	0.449	ug/l	98
20) Methylene Chloride	2.782	84	955	0.535	ug/l #	90
21) trans-1,2-Dichloroethene	3.087	96	817	0.516	ug/l #	85
22) Diisopropyl ether	3.764	45	2558	0.458	ug/l #	83
23) Vinyl Acetate	3.739	43	8091m	1.781	ug/l	
24) 1,1-Dichloroethane	3.617	63	1466	0.471	ug/l #	82
25) 2-Butanone	4.605	43	3105m	2.298	ug/l	
26) 2,2-Dichloropropane	4.446	77	1050m	0.415	ug/l	
27) cis-1,2-Dichloroethene	4.483	96	799	0.397	ug/l	65
28) Bromochloromethane	4.897	49	566m	0.370	ug/l	
29) Tetrahydrofuran	5.044	42	2015m	2.324	ug/l	
30) Chloroform	5.080	83	1618m	0.462	ug/l	
31) Cyclohexane	5.452	56	1291m	0.513	ug/l	
32) 1,1,1-Trichloroethane	5.379	97	1439	0.495	ug/l #	52
36) 1,1-Dichloropropene	5.696	75	1133	0.533	ug/l #	70
37) Ethyl Acetate	4.745	43	1182	0.450	ug/l #	74
38) Carbon Tetrachloride	5.660	117	1143m	0.500	ug/l	
39) Methylcyclohexane	7.367	83	1254	0.494	ug/l #	86
40) Benzene	6.031	78	3197	0.496	ug/l #	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.995	41	825m	0.592	ug/l	
42) 1,2-Dichloroethane	6.086	62	1557m	0.586	ug/l	
43) Isopropyl Acetate	6.361	43	1865m	0.454	ug/l	
44) Trichloroethene	7.135	130	858	0.534	ug/l	91
45) 1,2-Dichloropropane	7.440	63	691	0.419	ug/l #	44
46) Dibromomethane	7.592	93	580	0.454	ug/l	89
47) Bromodichloromethane	7.824	83	853	0.386	ug/l #	52
48) Methyl methacrylate	7.720	41	886m	0.445	ug/l	
49) 1,4-Dioxane	7.720	88	154m	4.663	ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	4819	1.826	ug/l	97
52) Toluene	8.720	92	1920	0.474	ug/l	91
53) t-1,3-Dichloropropene	8.988	75	901	0.417	ug/l #	72
54) cis-1,3-Dichloropropene	8.379	75	1157	0.481	ug/l #	68
55) 1,1,2-Trichloroethane	9.153	97	752	0.467	ug/l #	80
56) Ethyl methacrylate	9.128	69	809m	0.319	ug/l	
57) 1,3-Dichloropropane	9.317	76	1417	0.506	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.257	63	2574	2.009	ug/l #	89
59) 2-Hexanone	9.445	43	3633m	1.902	ug/l	
60) Dibromochloromethane	9.525	129	692	0.448	ug/l	90
61) 1,2-Dibromoethane	9.610	107	747	0.456	ug/l	83
64) Tetrachloroethene	9.275	164	714	0.543	ug/l #	68
65) Chlorobenzene	10.079	112	2199	0.518	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	605	0.444	ug/l #	67
67) Ethyl Benzene	10.195	91	3603	0.492	ug/l	99
68) m/p-Xylenes	10.305	106	2445	0.909	ug/l	90
69) o-Xylene	10.640	106	1072	0.394	ug/l	82
70) Styrene	10.665	104	1783	0.409	ug/l #	90
71) Bromoform	10.799	173	392	0.451	ug/l #	88
73) Isopropylbenzene	10.963	105	2717	0.438	ug/l	78
74) N-amyl acetate	10.860	43	1070m	0.373	ug/l	
75) 1,1,2,2-Tetrachloroethane	11.213	83	1057	0.490	ug/l #	93
76) 1,2,3-Trichloropropane	11.238	75	987m	0.545	ug/l	
77) Bromobenzene	11.195	156	810	0.538	ug/l	87
78) n-propylbenzene	11.305	91	2907	0.424	ug/l	97
79) 2-Chlorotoluene	11.366	91	2442	0.550	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	2629	0.510	ug/l	89
81) trans-1,4-Dichloro-2-b...	11.018	75	158m	0.280	ug/l	
82) 4-Chlorotoluene	11.463	91	2602	0.529	ug/l	97
83) tert-Butylbenzene	11.719	119	2524	0.496	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	2155	0.426	ug/l	98
85) sec-Butylbenzene	11.890	105	2138	0.346	ug/l	88
86) p-Isopropyltoluene	12.006	119	2130	0.414	ug/l #	80
87) 1,3-Dichlorobenzene	11.969	146	1487	0.565	ug/l	93
88) 1,4-Dichlorobenzene	12.043	146	1733m	0.641	ug/l	
89) n-Butylbenzene	12.341	91	1528	0.353	ug/l	94
90) Hexachloroethane	12.536	117	387	0.516	ug/l	61
91) 1,2-Dichlorobenzene	12.341	146	1302	0.477	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.957	75	115	0.275	ug/l #	57
93) 1,2,4-Trichlorobenzene	13.597	180	776	0.518	ug/l	83
94) Hexachlorobutadiene	13.725	225	298	0.495	ug/l #	69
95) Naphthalene	13.780	128	2608	0.446	ug/l #	97
96) 1,2,3-Trichlorobenzene	13.969	180	784	0.494	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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