

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013124\
 Data File : VX040041.D
 Acq On : 31 Jan 2024 12:27
 Operator : JC/MD
 Sample : P1187-09 0.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2024

Quant Time: Feb 01 05:08:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:07:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/01/2024
 Supervised By : Mahesh Dadoda 02/01/2024

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	95833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	171355	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	156583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75503	48.954	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.900%		
35) Dibromofluoromethane	5.385	113	56767	48.666	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.340%		
50) Toluene-d8	8.647	98	200426	45.945	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.900%#		
62) 4-Bromofluorobenzene	11.079	95	64988	38.690	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	77.380%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	490	0.454	ug/l	82
3) Chloromethane	1.294	50	661	0.646	ug/l	95
4) Vinyl Chloride	1.373	62	482	0.509	ug/l	91
5) Bromomethane	1.605	94	308	0.335	ug/l	88
6) Chloroethane	1.697	64	268	0.429	ug/l #	43
7) Trichlorofluoromethane	1.886	101	557	0.370	ug/l #	74
8) Diethyl Ether	2.129	74	195	0.366	ug/l	78
9) 1,1,2-Trichlorotrifluo...	2.318	101	366	0.326	ug/l #	75
10) Methyl Iodide	2.453	142	474	0.396	ug/l #	56
11) Tert butyl alcohol	2.965	59	948	3.388	ug/l #	78
12) 1,1-Dichloroethene	2.318	96	538	0.499	ug/l #	52
13) Acrolein	2.233	56	466	1.738	ug/l #	83
14) Allyl chloride	2.660	41	744	0.383	ug/l #	76
15) Acrylonitrile	3.074	53	1240	1.769	ug/l	94
16) Acetone	2.373	43	1638	2.267	ug/l	95
17) Carbon Disulfide	2.514	76	1378	0.437	ug/l #	70
18) Methyl Acetate	2.702	43	714	0.417	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	1464	0.396	ug/l	95
20) Methylene Chloride	2.794	84	666	0.519	ug/l #	74
21) trans-1,2-Dichloroethene	3.093	96	423	0.356	ug/l	81
22) Diisopropyl ether	3.769	45	1420m	0.377	ug/l	
23) Vinyl Acetate	3.727	43	5624	1.670	ug/l	95
24) 1,1-Dichloroethane	3.617	63	739	0.343	ug/l #	83
25) 2-Butanone	4.598	43	2355	2.344	ug/l	99
26) 2,2-Dichloropropane	4.470	77	551	0.328	ug/l #	54
27) cis-1,2-Dichloroethene	4.477	96	556m	0.420	ug/l	
28) Bromochloromethane	4.909	49	565m	0.562	ug/l	
29) Tetrahydrofuran	5.019	42	1549m	2.425	ug/l	
30) Chloroform	5.104	83	1244m	0.537	ug/l	
31) Cyclohexane	5.482	56	834m	0.432	ug/l	
32) 1,1,1-Trichloroethane	5.385	97	801	0.403	ug/l #	48
36) 1,1-Dichloropropene	5.708	75	965	0.572	ug/l #	48
37) Ethyl Acetate	4.745	43	1213m	0.658	ug/l	
38) Carbon Tetrachloride	5.678	117	641	0.397	ug/l #	74
39) Methylcyclohexane	7.385	83	1031	0.502	ug/l #	70
40) Benzene	6.049	78	2171	0.442	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	467m	0.500	ug/l	
42) 1,2-Dichloroethane	6.086	62	1099m	0.581	ug/l	
43) Isopropyl Acetate	6.360	43	1293	0.445	ug/l #	72
44) Trichloroethene	7.122	130	631	0.488	ug/l	49
45) 1,2-Dichloropropane	7.433	63	664	0.512	ug/l	91
46) Dibromomethane	7.586	93	548	0.563	ug/l #	83
47) Bromodichloromethane	7.830	83	748	0.431	ug/l #	70
48) Methyl methacrylate	7.708	41	516	0.361	ug/l #	86
49) 1,4-Dioxane	7.665	88	327	10.514	ug/l #	27
51) 4-Methyl-2-Pentanone	8.573	43	4408	2.223	ug/l	96
52) Toluene	8.720	92	1398	0.456	ug/l	81
53) t-1,3-Dichloropropene	8.988	75	523	0.291	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	700	0.365	ug/l #	92
55) 1,1,2-Trichloroethane	9.153	97	534	0.421	ug/l #	83
56) Ethyl methacrylate	9.122	69	683	0.369	ug/l #	70
57) 1,3-Dichloropropane	9.311	76	1109	0.531	ug/l #	83
58) 2-Chloroethyl Vinyl ether	8.250	63	1962	2.108	ug/l #	89
59) 2-Hexanone	9.439	43	3295m	2.084	ug/l	
60) Dibromochloromethane	9.512	129	451	0.354	ug/l	82
61) 1,2-Dibromoethane	9.616	107	655	0.478	ug/l #	76
64) Tetrachloroethene	9.274	164	528	0.518	ug/l	96
65) Chlorobenzene	10.079	112	1687	0.521	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	458	0.419	ug/l #	53
67) Ethyl Benzene	10.195	91	2502	0.431	ug/l	100
68) m/p-Xylenes	10.305	106	1919	0.878	ug/l	92
69) o-Xylene	10.646	106	761	0.367	ug/l	92
70) Styrene	10.658	104	1189	0.340	ug/l	90
71) Bromoform	10.805	173	435	0.520	ug/l #	58
73) Isopropylbenzene	10.963	105	2035	0.392	ug/l	99
74) N-amyl acetate	10.847	43	616	0.261	ug/l #	70
75) 1,1,2,2-Tetrachloroethane	11.207	83	802	0.411	ug/l #	89
76) 1,2,3-Trichloropropane	11.244	75	860m	0.558	ug/l	
77) Bromobenzene	11.201	156	562	0.469	ug/l	84
78) n-propylbenzene	11.305	91	2786	0.436	ug/l	95
79) 2-Chlorotoluene	11.366	91	1689	0.439	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	1837	0.411	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.024	75	118m	0.239	ug/l	
82) 4-Chlorotoluene	11.457	91	2013	0.456	ug/l	96
83) tert-Butylbenzene	11.713	119	1544	0.361	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	1884	0.423	ug/l	97
85) sec-Butylbenzene	11.890	105	2290	0.405	ug/l	99
86) p-Isopropyltoluene	12.006	119	1842	0.399	ug/l #	81
87) 1,3-Dichlorobenzene	11.975	146	1138	0.471	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	1572m	0.635	ug/l	
89) n-Butylbenzene	12.335	91	1633	0.364	ug/l	94
90) Hexachloroethane	12.542	117	186	0.255	ug/l #	44
91) 1,2-Dichlorobenzene	12.341	146	1003	0.430	ug/l	93
93) 1,2,4-Trichlorobenzene	13.597	180	829	0.569	ug/l	84
94) Hexachlorobutadiene	13.725	225	252	0.439	ug/l	84
95) Naphthalene	13.780	128	2564	0.518	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.963	180	703	0.488	ug/l	83

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

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

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