

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062124\
 Data File : VX041976.D
 Acq On : 21 Jun 2024 13:13
 Operator : JC/MD
 Sample : P2403-09 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2024

Quant Time: Jun 22 06:00:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 22 05:57:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/24/2024
 Supervised By : Mahesh Dadoda 06/24/2024

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	175644	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	262096	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	98338	48.552	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.100%		
35) Dibromofluoromethane	5.385	113	87332	46.960	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.920%		
50) Toluene-d8	8.647	98	302292	46.270	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.540%		
62) 4-Bromofluorobenzene	11.079	95	110931	46.062	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.120%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	3600	2.690	ug/l	93
3) Chloromethane	1.306	50	4716	2.809	ug/l	90
4) Vinyl Chloride	1.374	62	4614	2.742	ug/l	99
5) Bromomethane	1.593	94	2777	3.342	ug/l	83
6) Chloroethane	1.666	64	3947	4.659	ug/l	# 83
7) Trichlorofluoromethane	1.873	101	6403	2.904	ug/l	98
8) Diethyl Ether	2.136	74	2703	2.612	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.318	101	4160	2.739	ug/l	# 83
10) Methyl Iodide	2.447	142	4079	2.161	ug/l	# 87
11) Tert butyl alcohol	3.001	59	5337	13.884	ug/l	99
12) 1,1-Dichloroethene	2.306	96	4089	2.699	ug/l	89
13) Acrolein	2.239	56	4433	10.288	ug/l	98
14) Allyl chloride	2.660	41	6417	2.671	ug/l	90
15) Acrylonitrile	3.074	53	12875	12.823	ug/l	97
16) Acetone	2.392	43	11867	13.343	ug/l	98
17) Carbon Disulfide	2.501	76	8097	2.621	ug/l	96
18) Methyl Acetate	2.709	43	6421	2.647	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	13244	2.646	ug/l	98
20) Methylene Chloride	2.788	84	6419	3.296	ug/l	# 85
21) trans-1,2-Dichloroethene	3.087	96	4174	2.715	ug/l	91
22) Diisopropyl ether	3.769	45	13463	2.651	ug/l	94
23) Vinyl Acetate	3.733	43	54005	12.452	ug/l	# 94
24) 1,1-Dichloroethane	3.611	63	7887	2.773	ug/l	96
25) 2-Butanone	4.586	43	18219	13.168	ug/l	96
26) 2,2-Dichloropropane	4.471	77	5106	2.479	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	5115	2.656	ug/l	85
28) Bromochloromethane	4.903	49	3343	2.744	ug/l	# 74
29) Tetrahydrofuran	5.025	42	12344	13.814	ug/l	98
30) Chloroform	5.098	83	7956	2.685	ug/l	90
31) Cyclohexane	5.470	56	6382	2.694	ug/l	89
32) 1,1,1-Trichloroethane	5.385	97	6717	2.713	ug/l	95
36) 1,1-Dichloropropene	5.690	75	4933	2.498	ug/l	94
37) Ethyl Acetate	4.739	43	5945	2.311	ug/l	97
38) Carbon Tetrachloride	5.672	117	5430	2.489	ug/l	99
39) Methylcyclohexane	7.379	83	6344	2.540	ug/l	91
40) Benzene	6.037	78	17539	2.633	ug/l	97

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41) Methacrylonitrile	4.952	41	3304	2.369	ug/l #	84
42) 1,2-Dichloroethane	6.092	62	6010	2.801	ug/l	92
43) Isopropyl Acetate	6.354	43	10107	2.560	ug/l	98
44) Trichloroethene	7.129	130	4953	2.774	ug/l	82
45) 1,2-Dichloropropane	7.433	63	4380	2.674	ug/l	97
46) Dibromomethane	7.586	93	2959	2.480	ug/l #	70
47) Bromodichloromethane	7.824	83	5345	2.440	ug/l	97
48) Methyl methacrylate	7.708	41	4593	2.437	ug/l	87
49) 1,4-Dioxane	7.677	88	2494m	54.737	ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	33603	12.354	ug/l	97
52) Toluene	8.720	92	11160	2.631	ug/l	98
53) t-1,3-Dichloropropene	8.988	75	4612	2.151	ug/l	95
54) cis-1,3-Dichloropropene	8.372	75	5516	2.300	ug/l #	86
55) 1,1,2-Trichloroethane	9.159	97	4618	2.614	ug/l	98
56) Ethyl methacrylate	9.122	69	6287	2.287	ug/l #	88
57) 1,3-Dichloropropane	9.311	76	7628	2.672	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.250	63	15536	12.129	ug/l	99
59) 2-Hexanone	9.439	43	25602	12.289	ug/l	96
60) Dibromochloromethane	9.525	129	4149	2.162	ug/l	100
61) 1,2-Dibromoethane	9.616	107	4720	2.576	ug/l	96
64) Tetrachloroethene	9.275	164	4720	2.800	ug/l #	86
65) Chlorobenzene	10.079	112	12967	2.693	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	3989	2.366	ug/l	90
67) Ethyl Benzene	10.195	91	19090	2.530	ug/l	89
68) m/p-Xylenes	10.305	106	15343	5.036	ug/l	88
69) o-Xylene	10.646	106	7253	2.405	ug/l	100
70) Styrene	10.658	104	11943	2.361	ug/l	95
71) Bromoform	10.805	173	3267	2.167	ug/l #	97
73) Isopropylbenzene	10.963	105	18443	2.644	ug/l	98
74) N-amyl acetate	10.847	43	7428	2.398	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	7375	2.844	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	5780m	2.776	ug/l	
77) Bromobenzene	11.201	156	6160	2.966	ug/l	73
78) n-propylbenzene	11.305	91	19100	2.524	ug/l	98
79) 2-Chlorotoluene	11.366	91	13399	2.748	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	14985	2.580	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	1366m	1.863	ug/l	
82) 4-Chlorotoluene	11.457	91	13974	2.593	ug/l	91
83) tert-Butylbenzene	11.713	119	16706	2.621	ug/l	90
84) 1,2,4-Trimethylbenzene	11.756	105	14482	2.485	ug/l	93
85) sec-Butylbenzene	11.890	105	17616	2.443	ug/l	95
86) p-Isopropyltoluene	12.012	119	14869	2.361	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	9573	2.622	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	10286	2.746	ug/l	95
89) n-Butylbenzene	12.335	91	10933	2.255	ug/l	97
90) Hexachloroethane	12.536	117	2364	2.205	ug/l #	50
91) 1,2-Dichlorobenzene	12.335	146	9974	2.670	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1247	2.427	ug/l #	54
93) 1,2,4-Trichlorobenzene	13.591	180	5288	2.161	ug/l	95
94) Hexachlorobutadiene	13.725	225	3116	2.518	ug/l	98
95) Naphthalene	13.780	128	16954	2.247	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	6081	2.356	ug/l	94

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

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