

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061924\
 Data File : VX041944.D
 Acq On : 19 Jun 2024 14:03
 Operator : JC/MD
 Sample : P2403-07 0.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jun 20 01:32:51 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	5.550	168	194045	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	290577	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	257735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	107109	47.868	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.740%		
35) Dibromofluoromethane	5.385	113	93412	45.306	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.620%		
50) Toluene-d8	8.647	98	325695	44.966	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.940%#		
62) 4-Bromofluorobenzene	11.079	95	111911	41.914	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	83.820%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	627	0.424	ug/l	97
3) Chloromethane	1.306	50	964	0.520	ug/l	92
4) Vinyl Chloride	1.373	62	836	0.450	ug/l	# 87
5) Bromomethane	1.599	94	765	0.833	ug/l	95
6) Chloroethane	1.666	64	954	1.019	ug/l	96
7) Trichlorofluoromethane	1.867	101	1187	0.487	ug/l	84
8) Diethyl Ether	2.136	74	545	0.477	ug/l	64
9) 1,1,2-Trichlorotrifluo...	2.318	101	741	0.442	ug/l	86
10) Methyl Iodide	2.440	142	903	0.433	ug/l	# 83
11) Tert butyl alcohol	3.001	59	831m	1.957	ug/l	
12) 1,1-Dichloroethene	2.306	96	734	0.439	ug/l	# 87
13) Acrolein	2.239	56	1012	2.126	ug/l	98
14) Allyl chloride	2.654	41	1233	0.465	ug/l	89
15) Acrylonitrile	3.074	53	2431	2.192	ug/l	96
16) Acetone	2.392	43	2902	2.954	ug/l	98
17) Carbon Disulfide	2.501	76	1577	0.462	ug/l	# 94
18) Methyl Acetate	2.715	43	1215	0.453	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	2341	0.423	ug/l	# 79
20) Methylene Chloride	2.782	84	1752	0.814	ug/l	# 83
21) trans-1,2-Dichloroethene	3.087	96	722	0.425	ug/l	95
22) Diisopropyl ether	3.769	45	2420	0.431	ug/l	# 75
23) Vinyl Acetate	3.745	43	8995	1.877	ug/l	97
24) 1,1-Dichloroethane	3.611	63	1345	0.428	ug/l	# 83
25) 2-Butanone	4.605	43	2264	1.481	ug/l	91
26) 2,2-Dichloropropane	4.470	77	754	0.331	ug/l	92
27) cis-1,2-Dichloroethene	4.495	96	867	0.408	ug/l	92
28) Bromochloromethane	4.903	49	710	0.528	ug/l	# 94
29) Tetrahydrofuran	5.037	42	2176	2.204	ug/l	# 67
30) Chloroform	5.092	83	1469	0.449	ug/l	98
31) Cyclohexane	5.470	56	1265	0.483	ug/l	# 92
32) 1,1,1-Trichloroethane	5.373	97	1176	0.430	ug/l	# 43
36) 1,1-Dichloropropene	5.696	75	897	0.410	ug/l	97
37) Ethyl Acetate	4.757	43	1414m	0.496	ug/l	
38) Carbon Tetrachloride	5.678	117	861	0.356	ug/l	# 81
39) Methylcyclohexane	7.378	83	1118	0.404	ug/l	# 77
40) Benzene	6.037	78	3188	0.432	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.958	41	515	0.333	ug/l #	72
42) 1,2-Dichloroethane	6.110	62	1273	0.535	ug/l	82
43) Isopropyl Acetate	6.366	43	1714	0.392	ug/l #	93
44) Trichloroethene	7.141	130	872	0.441	ug/l	87
45) 1,2-Dichloropropane	7.433	63	734	0.404	ug/l #	85
46) Dibromomethane	7.586	93	509	0.385	ug/l #	82
47) Bromodichloromethane	7.830	83	949	0.391	ug/l #	92
48) Methyl methacrylate	7.720	41	725m	0.347	ug/l	
49) 1,4-Dioxane	7.696	88	228	4.514	ug/l #	77
51) 4-Methyl-2-Pentanone	8.579	43	5384	1.785	ug/l	95
52) Toluene	8.726	92	1925	0.409	ug/l	99
53) t-1,3-Dichloropropene	8.994	75	791	0.333	ug/l #	76
54) cis-1,3-Dichloropropene	8.378	75	833	0.313	ug/l #	93
55) 1,1,2-Trichloroethane	9.159	97	736	0.376	ug/l	92
56) Ethyl methacrylate	9.134	69	975	0.320	ug/l	91
57) 1,3-Dichloropropane	9.317	76	1314	0.415	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.262	63	2682	1.889	ug/l	100
59) 2-Hexanone	9.445	43	4239	1.835	ug/l	99
60) Dibromochloromethane	9.524	129	759	0.357	ug/l	98
61) 1,2-Dibromoethane	9.616	107	804	0.396	ug/l	88
64) Tetrachloroethene	9.274	164	820	0.437	ug/l #	73
65) Chlorobenzene	10.079	112	2467	0.460	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	719	0.383	ug/l #	62
67) Ethyl Benzene	10.195	91	3484	0.415	ug/l	99
68) m/p-Xylenes	10.305	106	2648	0.781	ug/l	99
69) o-Xylene	10.646	106	1337	0.398	ug/l	87
70) Styrene	10.665	104	2075	0.369	ug/l	94
71) Bromoform	10.799	173	551	0.328	ug/l #	86
73) Isopropylbenzene	10.963	105	3077	0.415	ug/l	97
74) N-amyl acetate	10.853	43	1026	0.312	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	1279	0.464	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	1245m	0.563	ug/l	
77) Bromobenzene	11.201	156	1097	0.497	ug/l	79
78) n-propylbenzene	11.305	91	3270	0.407	ug/l	98
79) 2-Chlorotoluene	11.366	91	2539	0.490	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	2453	0.397	ug/l	95
82) 4-Chlorotoluene	11.463	91	2536	0.443	ug/l	93
83) tert-Butylbenzene	11.713	119	2686	0.397	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	2472	0.399	ug/l	92
85) sec-Butylbenzene	11.890	105	2832	0.370	ug/l	95
86) p-Isopropyltoluene	12.012	119	2346	0.351	ug/l	90
87) 1,3-Dichlorobenzene	11.975	146	1840	0.474	ug/l	92
88) 1,4-Dichlorobenzene	12.042	146	1950m	0.491	ug/l	
89) n-Butylbenzene	12.335	91	1630	0.316	ug/l	94
90) Hexachloroethane	12.536	117	474	0.416	ug/l	72
91) 1,2-Dichlorobenzene	12.341	146	1692	0.426	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	180	0.330	ug/l #	39
93) 1,2,4-Trichlorobenzene	13.591	180	1016	0.391	ug/l	92
94) Hexachlorobutadiene	13.719	225	521	0.396	ug/l	94
95) Naphthalene	13.780	128	2904	0.362	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1064	0.388	ug/l	95

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

