

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
 Data File : VX037678.D
 Acq On : 12 Sep 2023 19:04
 Operator : JC/MD
 Sample : 04287-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11B-37.5-090123MS

Quant Time: Sep 13 01:49:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/13/2023
 Supervised By : Mahesh Dadoda 09/13/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	26039	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	71840	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	48631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	16441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	92236	218.936	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 437.880%#			
35) Dibromofluoromethane	5.391	113	61110	120.009	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 240.020%#			
50) Toluene-d8	8.653	98	72921	37.971	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 75.940%#			
62) 4-Bromofluorobenzene	11.079	95	24533	35.409	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 70.820%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	9585	33.574	ug/l	96
3) Chloromethane	1.301	50	55957	172.053	ug/l	94
4) Vinyl Chloride	1.374	62	34053	93.077	ug/l	98
5) Bromomethane	1.599	94	34399	112.406	ug/l	96
6) Chloroethane	1.679	64	35180	139.852	ug/l	99
7) Trichlorofluoromethane	1.880	101	18381	30.366	ug/l	97
8) Diethyl Ether	2.136	74	63311	263.542	ug/l	82
9) 1,1,2-Trichlorotrifluo...	2.325	101	5589	20.598	ug/l	98
10) Methyl Iodide	2.447	142	40165	125.341	ug/l	94
11) Tert butyl alcohol	2.965	59	144097	1715.980	ug/l	# 91
12) 1,1-Dichloroethene	2.313	96	34004	126.930	ug/l	90
13) Acrolein	2.239	56	55698	809.174	ug/l	100
14) Allyl chloride	2.660	41	47285	100.754	ug/l	# 79
15) Acrylonitrile	3.063	53	296868	1536.530	ug/l	100
16) Acetone	2.380	43	276534	1623.596	ug/l	92
17) Carbon Disulfide	2.508	76	22205	32.605	ug/l	98
18) Methyl Acetate	2.703	43	62913	87.468	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	294276	278.245	ug/l	99
20) Methylene Chloride	2.788	84	71190	220.514	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	27979	90.777	ug/l	92
22) Diisopropyl ether	3.764	45	233961	228.833	ug/l	# 76
23) Vinyl Acetate	3.727	43	278949	374.052	ug/l	99
24) 1,1-Dichloroethane	3.611	63	242634	407.247	ug/l	99
25) 2-Butanone	4.562	43	422584	1521.635	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	502346	1336.540	ug/l	83
28) Bromochloromethane	4.898	49	63499	210.956	ug/l	89
29) Tetrahydrofuran	5.007	42	264316	1494.551	ug/l	91
30) Chloroform	5.099	83	97019	150.783	ug/l	99
31) Cyclohexane	5.465	56	5702	11.754	ug/l	86
32) 1,1,1-Trichloroethane	5.385	97	32620	60.912	ug/l	99
36) 1,1-Dichloropropene	5.696	75	12526	18.083	ug/l	96
37) Ethyl Acetate	4.721	43	50219	63.358	ug/l	# 81
38) Carbon Tetrachloride	5.672	117	14399	20.347	ug/l	93
39) Methylcyclohexane	7.385	83	5493	6.701	ug/l	97
40) Benzene	6.038	78	135008	64.289	ug/l	99
41) Methacrylonitrile	4.922	41	82047	196.523	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.086	62	139563	170.035	ug/l	98
43) Isopropyl Acetate	6.348	43	112681	89.110	ug/l	97
44) Trichloroethene	7.129	130	2168013	4132.074	ug/l	99
45) 1,2-Dichloropropane	7.434	63	56867	102.610	ug/l	96
46) Dibromomethane	7.580	93	53286	132.161	ug/l	94
47) Bromodichloromethane	7.824	83	76496	105.098	ug/l	95
48) Methyl methacrylate	7.696	41	105645	172.832	ug/l	89
49) 1,4-Dioxane	7.659	88	73728	4868.341	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	815743	982.439	ug/l	97
52) Toluene	8.720	92	45582	33.759	ug/l	95
53) t-1,3-Dichloropropene	8.982	75	30395	41.190	ug/l	97
54) cis-1,3-Dichloropropene	8.373	75	31590	39.013	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	78074	137.318	ug/l	95
56) Ethyl methacrylate	9.116	69	129914	149.343	ug/l	92
57) 1,3-Dichloropropane	9.311	76	117778	123.498	ug/l	99
59) 2-Hexanone	9.433	43	631382	985.110	ug/l	95
60) Dibromochloromethane	9.525	129	62457	111.836	ug/l	100
61) 1,2-Dibromoethane	9.610	107	75257	123.142	ug/l	99
64) Tetrachloroethene	9.275	164	8696	27.599	ug/l	92
65) Chlorobenzene	10.080	112	50598	48.814	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	34725	97.204	ug/l	98
67) Ethyl Benzene	10.195	91	48884	26.501	ug/l	97
68) m/p-Xylenes	10.305	106	37721	53.630	ug/l	95
69) o-Xylene	10.640	106	25957	37.015	ug/l	98
70) Styrene	10.659	104	47345	41.383	ug/l	97
71) Bromoform	10.799	173	47022	168.215	ug/l #	98
73) Isopropylbenzene	10.964	105	37447	30.422	ug/l	100
74) N-amyl acetate	10.842	43	38578	71.872	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	134192	291.320	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	105646m	292.284	ug/l	
77) Bromobenzene	11.201	156	23131	79.296	ug/l	92
78) n-propylbenzene	11.305	91	33939	23.966	ug/l	99
79) 2-Chlorotoluene	11.366	91	33465	38.389	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	32887	31.790	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	4781	40.207	ug/l	97
82) 4-Chlorotoluene	11.457	91	34762	34.909	ug/l	96
83) tert-Butylbenzene	11.719	119	40431	38.903	ug/l	82
84) 1,2,4-Trimethylbenzene	11.750	105	36008	34.524	ug/l	99
85) sec-Butylbenzene	11.890	105	27710	21.597	ug/l	98
86) p-Isopropyltoluene	12.012	119	23715	22.556	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	24062	42.960	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	25481	44.266	ug/l	98
89) n-Butylbenzene	12.335	91	16809	17.653	ug/l	95
90) Hexachloroethane	12.543	117	4731	26.667	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	36463	65.068	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	27332	288.971	ug/l	83
93) 1,2,4-Trichlorobenzene	13.591	180	14110	42.279	ug/l	96
94) Hexachlorobutadiene	13.725	225	2975	21.340	ug/l	97
95) Naphthalene	13.774	128	158233	130.890	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	19826	57.900	ug/l	96

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