

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
 Data File : VX037679.D
 Acq On : 12 Sep 2023 19:28
 Operator : JC/MD
 Sample : 04287-03MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Sep 13 01:50:01 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	5.550	168	17723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	52470	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	37506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	12277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	67709	236.129	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 472.260%#			
35) Dibromofluoromethane	5.391	113	43675	117.433	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 234.860%#			
50) Toluene-d8	8.653	98	47912	34.158	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 68.320%#			
62) 4-Bromofluorobenzene	11.079	95	15880	31.381	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 62.760%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	5514	28.377	ug/l	94
3) Chloromethane	1.301	50	39126	176.751	ug/l	95
4) Vinyl Chloride	1.374	62	21330	85.657	ug/l	99
5) Bromomethane	1.593	94	26623	127.817	ug/l	98
6) Chloroethane	1.666	64	23513	137.331	ug/l	96
7) Trichlorofluoromethane	1.874	101	12785	31.032	ug/l	98
8) Diethyl Ether	2.136	74	57626	352.433	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.325	101	3728	20.186	ug/l	97
10) Methyl Iodide	2.447	142	34542	158.372	ug/l	94
11) Tert butyl alcohol	2.977	59	141484	2480.457	ug/l #	91
12) 1,1-Dichloroethene	2.313	96	22811	125.102	ug/l	87
13) Acrolein	2.240	56	76215	1626.783	ug/l	100
14) Allyl chloride	2.654	41	40676	127.340	ug/l #	74
15) Acrylonitrile	3.069	53	288203	2191.610	ug/l	99
16) Acetone	2.386	43	274378	2366.822	ug/l	93
17) Carbon Disulfide	2.508	76	14269	30.783	ug/l	95
18) Methyl Acetate	2.703	43	103257	210.918	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	283319	393.582	ug/l	100
20) Methylene Chloride	2.788	84	60909	277.531	ug/l	89
21) trans-1,2-Dichloroethene	3.087	96	18847	89.840	ug/l	87
22) Diisopropyl ether	3.764	45	205316	295.042	ug/l #	83
23) Vinyl Acetate	3.727	43	420132	827.714	ug/l	97
24) 1,1-Dichloroethane	3.605	63	185769	458.107	ug/l	100
25) 2-Butanone	4.562	43	417494	2208.690	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	401810	1570.677	ug/l	83
28) Bromochloromethane	4.904	49	43803	213.804	ug/l	91
29) Tetrahydrofuran	5.007	42	262854	2183.679	ug/l	91
30) Chloroform	5.093	83	79315	181.108	ug/l	99
31) Cyclohexane	5.465	56	4182	12.665	ug/l #	91
32) 1,1,1-Trichloroethane	5.385	97	24217	66.440	ug/l	97
36) 1,1-Dichloropropene	5.690	75	9308	18.398	ug/l	96
37) Ethyl Acetate	4.721	43	78849	136.203	ug/l #	81
38) Carbon Tetrachloride	5.678	117	10403	20.127	ug/l	98
39) Methylcyclohexane	7.379	83	3647	6.092	ug/l	92
40) Benzene	6.038	78	103693	67.606	ug/l	99
41) Methacrylonitrile	4.922	41	79319	260.126	ug/l	91

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42) 1,2-Dichloroethane	6.086	62	122609	204.524	ug/l	97
43) Isopropyl Acetate	6.342	43	149074	161.411	ug/l	97
44) Trichloroethene	7.129	130	1555043	4057.924	ug/l	100
45) 1,2-Dichloropropane	7.434	63	46120	113.940	ug/l	99
46) Dibromomethane	7.580	93	47113	159.988	ug/l	95
47) Bromodichloromethane	7.824	83	62892	118.306	ug/l	98
48) Methyl methacrylate	7.696	41	100561	225.247	ug/l #	88
49) 1,4-Dioxane	7.659	88	68196	6165.420	ug/l #	91
51) 4-Methyl-2-Pentanone	8.574	43	771533	1272.219	ug/l	96
52) Toluene	8.720	92	34614	35.099	ug/l	95
53) t-1,3-Dichloropropene	8.982	75	25142	46.649	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	25912	43.815	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	69656	167.740	ug/l	95
56) Ethyl methacrylate	9.116	69	116487	183.342	ug/l	92
57) 1,3-Dichloropropane	9.311	76	100337	144.049	ug/l	100
59) 2-Hexanone	9.433	43	583667	1246.847	ug/l	95
60) Dibromochloromethane	9.519	129	52106	127.745	ug/l	100
61) 1,2-Dibromoethane	9.610	107	65507	146.758	ug/l	99
64) Tetrachloroethene	9.275	164	6400	26.337	ug/l	96
65) Chlorobenzene	10.080	112	39442	49.338	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	27852	101.091	ug/l	98
67) Ethyl Benzene	10.195	91	40341	28.356	ug/l	100
68) m/p-Xylenes	10.299	106	29713	54.775	ug/l	98
69) o-Xylene	10.640	106	20935	38.709	ug/l	97
70) Styrene	10.659	104	36621	41.504	ug/l	96
71) Bromoform	10.799	173	38508	178.619	ug/l #	99
73) Isopropylbenzene	10.964	105	30288	32.952	ug/l	95
74) N-amyl acetate	10.842	43	59106	147.464	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.214	83	117697	342.173	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	92238m	341.742	ug/l	
77) Bromobenzene	11.201	156	18378	84.371	ug/l	92
78) n-propylbenzene	11.305	91	27560	26.062	ug/l	99
79) 2-Chlorotoluene	11.366	91	27739	42.613	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	28341	36.687	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.025	75	4237	47.718	ug/l	98
82) 4-Chlorotoluene	11.457	91	28589	38.447	ug/l	98
83) tert-Butylbenzene	11.720	119	33460	43.116	ug/l	80
84) 1,2,4-Trimethylbenzene	11.756	105	30601	39.291	ug/l	98
85) sec-Butylbenzene	11.890	105	22651	23.642	ug/l	99
86) p-Isopropyltoluene	12.012	119	18653	23.759	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	19762	47.250	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	21087	49.057	ug/l	99
89) n-Butylbenzene	12.335	91	12544	17.642	ug/l	97
90) Hexachloroethane	12.536	117	3954	29.846	ug/l	86
91) 1,2-Dichlorobenzene	12.335	146	30725	73.425	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25650	363.167	ug/l	88
93) 1,2,4-Trichlorobenzene	13.591	180	12315	49.416	ug/l	97
94) Hexachlorobutadiene	13.725	225	2270	21.806	ug/l	92
95) Naphthalene	13.774	128	142066	157.375	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	18436	72.101	ug/l	96

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