

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
 Data File : VX037706.D
 Acq On : 13 Sep 2023 19:46
 Operator : JC/MD
 Sample : 04373-09MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1042-MW-02(23.8)MSD

Quant Time: Sep 14 02:25:44 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 09/14/2023
 Supervised By : Mahesh Dadoda 09/14/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	124304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	263198	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	269626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	134914	67.083	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 134.160%#			
35) Dibromofluoromethane	5.391	113	106354	57.009	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.020%			
50) Toluene-d8	8.653	98	361951	51.444	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.880%			
62) 4-Bromofluorobenzene	11.079	95	137424	54.139	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.280%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	50634	37.153	ug/l	97
3) Chloromethane	1.301	50	83100	53.524	ug/l	95
4) Vinyl Chloride	1.374	62	84828	48.570	ug/l	97
5) Bromomethane	1.593	94	66418	45.464	ug/l	100
6) Chloroethane	1.666	64	62580	52.113	ug/l	100
7) Trichlorofluoromethane	1.874	101	122579	42.421	ug/l	99
8) Diethyl Ether	2.136	74	74338	64.822	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.319	101	50743	39.174	ug/l	98
10) Methyl Iodide	2.447	142	105170	68.751	ug/l	92
11) Tert butyl alcohol	2.983	59	144953	352.641	ug/l #	91
12) 1,1-Dichloroethene	2.313	96	64128	50.144	ug/l	86
13) Acrolein	2.239	56	119934	364.992	ug/l	99
14) Allyl chloride	2.660	41	120975	53.998	ug/l	94
15) Acrylonitrile	3.069	53	336586	364.933	ug/l	99
16) Acetone	2.386	43	301871	371.270	ug/l	90
17) Carbon Disulfide	2.508	76	145735	44.827	ug/l	98
18) Methyl Acetate	2.703	43	188512	54.902	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	350113	69.346	ug/l	99
20) Methylene Chloride	2.788	84	108887	69.765	ug/l	89
21) trans-1,2-Dichloroethene	3.087	96	81589	55.451	ug/l	92
22) Diisopropyl ether	3.764	45	308930	63.296	ug/l #	84
23) Vinyl Acetate	3.721	43	900609	252.978	ug/l	95
24) 1,1-Dichloroethane	3.605	63	168218	59.145	ug/l	99
25) 2-Butanone	4.562	43	472948	356.739	ug/l	92
26) 2,2-Dichloropropane	4.477	77	39199	19.813	ug/l #	60
27) cis-1,2-Dichloroethene	4.489	96	194569	108.441	ug/l	84
28) Bromochloromethane	4.898	49	97326	67.732	ug/l	85
29) Tetrahydrofuran	5.007	42	303393	359.362	ug/l	91
30) Chloroform	5.093	83	189092	61.561	ug/l	99
31) Cyclohexane	5.464	56	96707	41.758	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	135654	53.063	ug/l	98
36) 1,1-Dichloropropene	5.690	75	100949	39.777	ug/l	97
37) Ethyl Acetate	4.721	43	136264	46.925	ug/l	98
38) Carbon Tetrachloride	5.678	117	106832	41.205	ug/l	98
39) Methylcyclohexane	7.379	83	92350	30.752	ug/l	94
40) Benzene	6.038	78	391072	50.830	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	92841	60.698	ug/l #	89
42) 1,2-Dichloroethane	6.086	62	164614	54.742	ug/l	97
43) Isopropyl Acetate	6.342	43	237950	51.363	ug/l	97
44) Trichloroethene	7.123	130	139870	72.764	ug/l	98
45) 1,2-Dichloropropane	7.434	63	110153	54.251	ug/l	96
46) Dibromomethane	7.580	93	86117	58.299	ug/l	95
47) Bromodichloromethane	7.824	83	152232	57.088	ug/l	99
48) Methyl methacrylate	7.696	41	134500	60.059	ug/l #	87
49) 1,4-Dioxane	7.665	88	67040	1208.276	ug/l #	90
51) 4-Methyl-2-Pentanone	8.574	43	957868	314.877	ug/l	96
52) Toluene	8.720	92	244969	49.521	ug/l	93
53) t-1,3-Dichloropropene	8.982	75	137946	51.024	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	146534	49.395	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	126483	60.721	ug/l	96
56) Ethyl methacrylate	9.116	69	197392	61.936	ug/l	91
57) 1,3-Dichloropropane	9.311	76	202217	57.876	ug/l	100
59) 2-Hexanone	9.433	43	718224	305.870	ug/l	94
60) Dibromochloromethane	9.525	129	124055	60.631	ug/l	99
61) 1,2-Dibromoethane	9.610	107	135609	60.566	ug/l	100
64) Tetrachloroethene	9.275	164	161199	92.276	ug/l	99
65) Chlorobenzene	10.079	112	279771	48.682	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	109693	55.383	ug/l	99
67) Ethyl Benzene	10.195	91	457087	44.693	ug/l	99
68) m/p-Xylenes	10.299	106	354765	90.974	ug/l	98
69) o-Xylene	10.640	106	190720	49.054	ug/l	98
70) Styrene	10.659	104	324859	51.214	ug/l	96
71) Bromoform	10.799	173	92868	59.921	ug/l #	100
73) Isopropylbenzene	10.963	105	435430	44.139	ug/l	99
74) N-amyl acetate	10.842	43	186175	43.279	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	211738	57.356	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	162981m	56.264	ug/l	
77) Bromobenzene	11.195	156	127941	54.727	ug/l	90
78) n-propylbenzene	11.305	91	479269	42.228	ug/l	100
79) 2-Chlorotoluene	11.366	91	327993	46.948	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	377890	45.579	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	39804	41.769	ug/l	94
82) 4-Chlorotoluene	11.457	91	368918	46.227	ug/l	96
83) tert-Butylbenzene	11.713	119	381152	45.763	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	394880	47.242	ug/l	98
85) sec-Butylbenzene	11.890	105	405781	39.463	ug/l	100
86) p-Isopropyltoluene	12.012	119	343478	40.765	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	216257	48.177	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	218652	47.396	ug/l	98
89) n-Butylbenzene	12.335	91	261959	34.327	ug/l	97
90) Hexachloroethane	12.536	117	63406	44.595	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	236731	52.712	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	45261	59.710	ug/l	80
93) 1,2,4-Trichlorobenzene	13.585	180	122682	45.869	ug/l	97
94) Hexachlorobutadiene	13.725	225	35772	32.018	ug/l	97
95) Naphthalene	13.774	128	549832	56.751	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	136145	49.611	ug/l	97

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

