

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112223\
 Data File : VX039010.D
 Acq On : 22 Nov 2023 18:04
 Operator : JC/MD
 Sample : 05407-03MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117N-20231114MSD

Quant Time: Nov 23 01:37:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/24/2023
 Supervised By : Mahesh Dadoda 11/24/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	106427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	196314	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94516	55.114	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.220%			
35) Dibromofluoromethane	5.385	113	75064	52.943	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.880%			
50) Toluene-d8	8.647	98	274623	50.625	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.240%			
62) 4-Bromofluorobenzene	11.079	95	111363	51.283	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.560%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	74608	60.080	ug/l	98
3) Chloromethane	1.295	50	86580	53.418	ug/l	100
4) Vinyl Chloride	1.374	62	87964	56.341	ug/l	100
5) Bromomethane	1.599	94	53641	83.097	ug/l	100
6) Chloroethane	1.679	64	53221	59.732	ug/l	97
7) Trichlorofluoromethane	1.886	101	121038	61.093	ug/l	100
8) Diethyl Ether	2.136	74	47259	54.767	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	67204	51.149	ug/l	95
10) Methyl Iodide	2.453	142	77132	48.233	ug/l	94
11) Tert butyl alcohol	2.959	59	132509	277.815	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	69343	52.276	ug/l	94
13) Acrolein	2.233	56	63907	253.251	ug/l	100
14) Allyl chloride	2.666	41	138717	52.232	ug/l	97
15) Acrylonitrile	3.063	53	269756	267.659	ug/l	99
16) Acetone	2.380	43	217064	237.771	ug/l	93
17) Carbon Disulfide	2.508	76	205685	50.059	ug/l	99
18) Methyl Acetate	2.703	43	209095	48.220	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	259518	55.625	ug/l	97
20) Methylene Chloride	2.788	84	82779	50.301	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	79772	54.503	ug/l	95
22) Diisopropyl ether	3.758	45	264511	54.291	ug/l	99
23) Vinyl Acetate	3.721	43	1031088	293.847	ug/l	100
24) 1,1-Dichloroethane	3.611	63	147958	54.305	ug/l	98
25) 2-Butanone	4.556	43	385786	260.594	ug/l	97
26) 2,2-Dichloropropane	4.477	77	124057	52.492	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	91928	53.883	ug/l	97
28) Bromochloromethane	4.898	49	69227	52.921	ug/l	98
29) Tetrahydrofuran	5.001	42	266269	283.272	ug/l	99
30) Chloroform	5.093	83	150961	56.743	ug/l	94
31) Cyclohexane	5.471	56	133611	54.570	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	130123	56.468	ug/l	99
36) 1,1-Dichloropropene	5.696	75	112127	55.179	ug/l	97
37) Ethyl Acetate	4.715	43	145070	54.795	ug/l	98
38) Carbon Tetrachloride	5.678	117	111584	59.413	ug/l	98
39) Methylcyclohexane	7.379	83	140179	52.885	ug/l	99
40) Benzene	6.038	78	331469	55.151	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	76544	55.745	ug/l	94
42) 1,2-Dichloroethane	6.086	62	121617	61.074	ug/l	98
43) Isopropyl Acetate	6.336	43	232546	54.962	ug/l	99
44) Trichloroethene	7.129	130	83352	56.975	ug/l	96
45) 1,2-Dichloropropane	7.434	63	90319	55.842	ug/l	99
46) Dibromomethane	7.580	93	61780	57.277	ug/l	98
47) Bromodichloromethane	7.824	83	119981	56.045	ug/l	96
48) Methyl methacrylate	7.690	41	134306	65.423	ug/l	93
49) 1,4-Dioxane	7.659	88	45194	1137.947	ug/l #	95
51) 4-Methyl-2-Pentanone	8.574	43	765689	283.181	ug/l	100
52) Toluene	8.720	92	208176	55.816	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	134710	52.951	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	140752	53.561	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	85649	55.036	ug/l	95
56) Ethyl methacrylate	9.116	69	109093	41.432	ug/l	97
57) 1,3-Dichloropropane	9.305	76	144868	56.287	ug/l	99
59) 2-Hexanone	9.427	43	609138	281.067	ug/l	98
60) Dibromochloromethane	9.519	129	89511	56.568	ug/l	99
61) 1,2-Dibromoethane	9.610	107	92467	56.624	ug/l	100
64) Tetrachloroethene	9.275	164	63910	56.414	ug/l	97
65) Chlorobenzene	10.080	112	216441	55.130	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	79189	56.072	ug/l	98
67) Ethyl Benzene	10.195	91	407554	56.501	ug/l	98
68) m/p-Xylenes	10.299	106	305049	111.799	ug/l	99
69) o-Xylene	10.640	106	146906	54.412	ug/l	99
70) Styrene	10.653	104	218234	47.861	ug/l	99
71) Bromoform	10.799	173	63997	54.358	ug/l #	99
73) Isopropylbenzene	10.964	105	392134	53.411	ug/l	100
74) N-amyl acetate	10.842	43	198622	51.178	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.214	83	149715	52.238	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	123381m	52.480	ug/l	
77) Bromobenzene	11.195	156	89874	54.479	ug/l	100
78) n-propylbenzene	11.305	91	474510	52.507	ug/l	98
79) 2-Chlorotoluene	11.366	91	278062	51.847	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	336572	54.522	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	47885	45.178	ug/l	86
82) 4-Chlorotoluene	11.457	91	326319	52.769	ug/l	99
83) tert-Butylbenzene	11.713	119	328191	53.981	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	340708	54.529	ug/l	100
85) sec-Butylbenzene	11.890	105	405113	50.942	ug/l	99
86) p-Isopropyltoluene	12.006	119	341190	53.446	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	170040	52.636	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	173838	52.577	ug/l	99
89) n-Butylbenzene	12.335	91	333496	51.778	ug/l	97
90) Hexachloroethane	12.536	117	64638	50.703	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	164849	53.802	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	37666	53.642	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	107681	52.444	ug/l	97
94) Hexachlorobutadiene	13.725	225	36759	50.555	ug/l	99
95) Naphthalene	13.774	128	398607	52.125	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	103958	53.411	ug/l	99

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

