

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112823\
 Data File : VN080296.D
 Acq On : 28 Nov 2023 15:04
 Operator : JC\MD
 Sample : 05551-02MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-110MS

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/29/2023
 Supervised By : Mahesh Dadoda 11/29/2023

Quant Time: Nov 29 00:37:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	246313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	386246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	352659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	173201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	195737	48.128	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.260%		
35) Dibromofluoromethane	8.165	113	146449	51.386	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.780%		
50) Toluene-d8	10.571	98	525025	51.104	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.200%		
62) 4-Bromofluorobenzene	12.847	95	197767	50.964	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.920%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	170437	46.453	ug/l	97
3) Chloromethane	2.360	50	122885	44.548	ug/l	100
4) Vinyl Chloride	2.518	62	140199	48.026	ug/l	98
5) Bromomethane	2.954	94	89022	44.921	ug/l	100
6) Chloroethane	3.124	64	90972	50.444	ug/l	96
7) Trichlorofluoromethane	3.501	101	294725	48.398	ug/l	99
8) Diethyl Ether	3.959	74	84610	47.775	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.371	101	136349	48.987	ug/l	94
10) Methyl Iodide	4.589	142	151891	50.495	ug/l #	87
11) Tert butyl alcohol	5.506	59	92239	206.238	ug/l	99
12) 1,1-Dichloroethene	4.342	96	132393	50.855	ug/l	94
13) Acrolein	4.177	56	85177	215.199	ug/l	96
14) Allyl chloride	5.018	41	155184	47.379	ug/l	93
15) Acrylonitrile	5.712	53	286181	238.356	ug/l	99
16) Acetone	4.424	43	199446	146.006	ug/l	93
17) Carbon Disulfide	4.712	76	336334	43.268	ug/l	100
18) Methyl Acetate	5.018	43	205890	46.910	ug/l	94
19) Methyl tert-butyl Ether	5.795	73	468274	50.934	ug/l	99
20) Methylene Chloride	5.277	84	152215	53.210	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	142415	49.796	ug/l #	83
22) Diisopropyl ether	6.671	45	376272	51.924	ug/l	94
23) Vinyl Acetate	6.600	43	1055969	242.384	ug/l	93
24) 1,1-Dichloroethane	6.565	63	259122	49.095	ug/l	96
25) 2-Butanone	7.483	43	305118	187.998	ug/l #	86
26) 2,2-Dichloropropane	7.494	77	255328	48.760	ug/l	96
27) cis-1,2-Dichloroethene	7.483	96	165022	50.893	ug/l	89
28) Bromochloromethane	7.812	49	104242	50.238	ug/l	96
29) Tetrahydrofuran	7.836	42	199419	228.865	ug/l	93
30) Chloroform	7.965	83	301229	51.062	ug/l	95
31) Cyclohexane	8.259	56	189653	42.879	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	288545	50.155	ug/l	100
36) 1,1-Dichloropropene	8.371	75	209093	50.674	ug/l	95
37) Ethyl Acetate	7.559	43	131727	46.025	ug/l	97
38) Carbon Tetrachloride	8.365	117	264157	50.448	ug/l	98
39) Methylcyclohexane	9.600	83	198699	49.943	ug/l	94
40) Benzene	8.606	78	587223	50.074	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	77951	49.594	ug/l	92
42) 1,2-Dichloroethane	8.671	62	242360	50.514	ug/l	95
43) Isopropyl Acetate	8.688	43	234787	42.155	ug/l	98
44) Trichloroethene	9.353	130	156865	50.993	ug/l	90
45) 1,2-Dichloropropane	9.624	63	141071	51.763	ug/l	97
46) Dibromomethane	9.712	93	106661	51.703	ug/l	91
47) Bromodichloromethane	9.888	83	237958	52.437	ug/l	95
48) Methyl methacrylate	9.683	41	144603	50.380	ug/l	89
49) 1,4-Dioxane	9.688	88	39436	825.896	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	689333	239.061	ug/l	98
52) Toluene	10.630	92	380557	51.853	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	237201	50.875	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	244215	51.270	ug/l	95
55) 1,1,2-Trichloroethane	11.012	97	141642	50.566	ug/l	97
56) Ethyl methacrylate	10.877	69	152870	53.421	ug/l	92
57) 1,3-Dichloropropane	11.165	76	249841	51.086	ug/l	99
59) 2-Hexanone	11.194	43	497413	214.675	ug/l	96
60) Dibromochloromethane	11.359	129	179247	53.450	ug/l	100
61) 1,2-Dibromoethane	11.471	107	144213	50.466	ug/l	99
64) Tetrachloroethene	11.106	164	153575	57.062	ug/l	97
65) Chlorobenzene	11.894	112	394809	49.406	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	161824	52.184	ug/l	94
67) Ethyl Benzene	11.965	91	725948	51.053	ug/l	97
68) m/p-Xylenes	12.071	106	543400	104.811	ug/l	89
69) o-Xylene	12.400	106	259820	53.176	ug/l	89
70) Styrene	12.412	104	388117	53.369	ug/l	93
71) Bromoform	12.582	173	117781	51.216	ug/l #	99
73) Isopropylbenzene	12.694	105	684581	50.864	ug/l	98
74) N-amyl acetate	12.494	43	192738	45.921	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	182707	45.357	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	173376m	40.855	ug/l	
77) Bromobenzene	12.982	156	167956	49.496	ug/l	97
78) n-propylbenzene	13.035	91	760994	50.563	ug/l	99
79) 2-Chlorotoluene	13.124	91	484425	49.558	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	591430	50.480	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.741	75	56294	44.818	ug/l #	76
82) 4-Chlorotoluene	13.224	91	498976	49.828	ug/l	96
83) tert-Butylbenzene	13.441	119	464663	49.457	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	590916	51.222	ug/l	97
85) sec-Butylbenzene	13.618	105	608075	51.161	ug/l	100
86) p-Isopropyltoluene	13.729	119	555297	52.301	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	294872	48.232	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	290184	47.231	ug/l	97
89) n-Butylbenzene	14.059	91	456822	51.405	ug/l	99
90) Hexachloroethane	14.335	117	100082	48.352	ug/l	74
91) 1,2-Dichlorobenzene	14.106	146	283550	48.467	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	38918	41.594	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	149404	43.909	ug/l	97
94) Hexachlorobutadiene	15.506	225	87848	44.864	ug/l	98
95) Naphthalene	15.641	128	384704	38.989	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	136373	42.759	ug/l	96

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

