

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079886.D
 Acq On : 04 Nov 2023 08:42
 Operator : JC\MD
 Sample : 05223-22MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-18-20231030MSD

Quant Time: Nov 06 00:30:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/06/2023
 Supervised By : Mahesh Dadoda 11/06/2023

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	279468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	500503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	452879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	211218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	240253	56.427	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.860%			
35) Dibromofluoromethane	8.171	113	192806	54.429	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.860%			
50) Toluene-d8	10.571	98	711531	54.562	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.120%			
62) 4-Bromofluorobenzene	12.847	95	236440	54.669	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	177014	52.585	ug/l	96
3) Chloromethane	2.365	50	211097	50.435	ug/l	99
4) Vinyl Chloride	2.512	62	267332	60.669	ug/l	97
5) Bromomethane	2.948	94	142678	53.291	ug/l	99
6) Chloroethane	3.118	64	172060	49.418	ug/l	95
7) Trichlorofluoromethane	3.501	101	288745	52.685	ug/l	99
8) Diethyl Ether	3.965	74	112576	54.129	ug/l	66
9) 1,1,2-Trichlorotrifluo...	4.371	101	158169	49.784	ug/l	100
10) Methyl Iodide	4.589	142	194118	53.504	ug/l	96
11) Tert butyl alcohol	5.518	59	133742	246.065	ug/l	98
12) 1,1-Dichloroethene	4.336	96	160171	53.245	ug/l #	81
13) Acrolein	4.177	56	129215	322.454	ug/l	98
14) Allyl chloride	5.024	41	252592	54.823	ug/l #	91
15) Acrylonitrile	5.718	53	475403	280.671	ug/l	98
16) Acetone	4.424	43	371015	248.073	ug/l	94
17) Carbon Disulfide	4.712	76	441012	50.825	ug/l	99
18) Methyl Acetate	5.024	43	355151	49.634	ug/l #	83
19) Methyl tert-butyl Ether	5.794	73	568651	54.907	ug/l	94
20) Methylene Chloride	5.277	84	199186	52.782	ug/l #	77
21) trans-1,2-Dichloroethene	5.783	96	180329	53.750	ug/l #	75
22) Diisopropyl ether	6.671	45	648569	60.743	ug/l #	88
23) Vinyl Acetate	6.606	43	1542469	261.899	ug/l #	86
24) 1,1-Dichloroethane	6.571	63	373592	57.567	ug/l	98
25) 2-Butanone	7.483	43	621833	283.932	ug/l #	80
26) 2,2-Dichloropropane	7.494	77	230101	42.872	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	219205	54.622	ug/l	88
28) Bromochloromethane	7.812	49	187902	59.413	ug/l #	74
29) Tetrahydrofuran	7.841	42	415942	291.911	ug/l #	75
30) Chloroform	7.965	83	385569	54.696	ug/l	93
31) Cyclohexane	8.259	56	298085	52.981	ug/l #	82
32) 1,1,1-Trichloroethane	8.171	97	339214	59.057	ug/l	95
36) 1,1-Dichloropropene	8.371	75	282150	55.784	ug/l	94
37) Ethyl Acetate	7.559	43	236365	50.955	ug/l #	91
38) Carbon Tetrachloride	8.365	117	282805	55.480	ug/l	99
39) Methylcyclohexane	9.606	83	249038	52.319	ug/l #	85
40) Benzene	8.606	78	827470	54.622	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	146424	59.443	ug/l #	85
42) 1,2-Dichloroethane	8.671	62	308729	58.342	ug/l	97
43) Isopropyl Acetate	8.688	43	402553	49.485	ug/l #	92
44) Trichloroethene	9.353	130	538870	143.348	ug/l	96
45) 1,2-Dichloropropane	9.624	63	225530	58.255	ug/l	100
46) Dibromomethane	9.706	93	144815	54.782	ug/l	95
47) Bromodichloromethane	9.888	83	304863	54.076	ug/l	98
48) Methyl methacrylate	9.682	41	209528	58.804	ug/l #	79
49) 1,4-Dioxane	9.694	88	59859	950.733	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	1326187	289.570	ug/l	90
52) Toluene	10.635	92	505695	56.307	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	299257	54.147	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	319730	53.076	ug/l #	87
55) 1,1,2-Trichloroethane	11.018	97	199705	55.284	ug/l	92
56) Ethyl methacrylate	10.877	69	293304	56.923	ug/l #	84
57) 1,3-Dichloropropane	11.165	76	362299	56.900	ug/l	99
59) 2-Hexanone	11.200	43	950140	271.191	ug/l	88
60) Dibromochloromethane	11.359	129	211361	54.663	ug/l	98
61) 1,2-Dibromoethane	11.471	107	195043	53.795	ug/l	97
64) Tetrachloroethene	11.106	164	173074	59.007	ug/l	98
65) Chlorobenzene	11.894	112	528584	53.806	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	197953	55.928	ug/l	97
67) Ethyl Benzene	11.965	91	950820	55.553	ug/l	97
68) m/p-Xylenes	12.071	106	716875	112.436	ug/l	96
69) o-Xylene	12.400	106	345772	56.318	ug/l	94
70) Styrene	12.412	104	573427	58.117	ug/l	97
71) Bromoform	12.582	173	139357	55.448	ug/l #	99
73) Isopropylbenzene	12.700	105	866166	54.034	ug/l	99
74) N-amyl acetate	12.494	43	319473	45.659	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.941	83	281308	49.495	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	253456m	51.113	ug/l	
77) Bromobenzene	12.982	156	207823	52.954	ug/l	94
78) n-propylbenzene	13.041	91	1014707	55.276	ug/l	97
79) 2-Chlorotoluene	13.129	91	630645	53.777	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	701348	56.234	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	75832	41.607	ug/l #	82
82) 4-Chlorotoluene	13.223	91	627183	53.821	ug/l	99
83) tert-Butylbenzene	13.441	119	577431	56.561	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	710818	57.928	ug/l	100
85) sec-Butylbenzene	13.618	105	796352	56.303	ug/l	99
86) p-Isopropyltoluene	13.729	119	656615	56.940	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	367250	50.302	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	367319	49.567	ug/l	99
89) n-Butylbenzene	14.059	91	538557	54.223	ug/l	99
90) Hexachloroethane	14.335	117	124258	54.409	ug/l	89
91) 1,2-Dichlorobenzene	14.106	146	360387	52.290	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	50888	52.797	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	168124	51.303	ug/l	96
94) Hexachlorobutadiene	15.506	225	73452	49.443	ug/l	99
95) Naphthalene	15.641	128	501989	45.169	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	161821	50.375	ug/l	95

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

