

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110223\
 Data File : VN079835.D
 Acq On : 03 Nov 2023 09:07
 Operator : JC\MD
 Sample : 05222-11MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FSND-MW-EVAL-02D-20231101MSD

Quant Time: Nov 03 09:34:35 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 11/03/2023
 Supervised By :Mahesh Dadoda 11/03/2023

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	252197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	459538	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	410224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	191113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	224874	58.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.060%			
35) Dibromofluoromethane	8.171	113	175061	53.825	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.640%			
50) Toluene-d8	10.571	98	609699	50.921	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.840%			
62) 4-Bromofluorobenzene	12.847	95	208204	52.432	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	157356	51.800	ug/l	97
3) Chloromethane	2.359	50	208881	55.589	ug/l	99
4) Vinyl Chloride	2.512	62	250610	63.024	ug/l	99
5) Bromomethane	2.953	94	151614	62.753	ug/l	98
6) Chloroethane	3.118	64	167547	53.325	ug/l	97
7) Trichlorofluoromethane	3.501	101	247231	49.988	ug/l	99
8) Diethyl Ether	3.959	74	105994	56.475	ug/l	63
9) 1,1,2-Trichlorotrifluo...	4.377	101	131381	45.824	ug/l	99
10) Methyl Iodide	4.589	142	179207	54.735	ug/l	99
11) Tert butyl alcohol	5.518	59	117628	239.819	ug/l	100
12) 1,1-Dichloroethene	4.342	96	138898	51.167	ug/l #	78
13) Acrolein	4.177	56	129278	375.207	ug/l	96
14) Allyl chloride	5.018	41	229229	55.132	ug/l	90
15) Acrylonitrile	5.718	53	457395	299.239	ug/l	99
16) Acetone	4.424	43	354512	262.670	ug/l	90
17) Carbon Disulfide	4.712	76	394870	50.428	ug/l	100
18) Methyl Acetate	5.024	43	335798	52.004	ug/l #	84
19) Methyl tert-butyl Ether	5.789	73	553571	59.230	ug/l	94
20) Methylene Chloride	5.277	84	189400	55.616	ug/l #	83
21) trans-1,2-Dichloroethene	5.789	96	165358	54.617	ug/l #	78
22) Diisopropyl ether	6.671	45	619054	64.248	ug/l #	88
23) Vinyl Acetate	6.606	43	1492573	280.831	ug/l #	86
24) 1,1-Dichloroethane	6.571	63	347978	59.418	ug/l	97
25) 2-Butanone	7.483	43	589454	298.251	ug/l #	80
26) 2,2-Dichloropropane	7.494	77	207174	42.774	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	206717	57.080	ug/l	88
28) Bromochloromethane	7.812	49	182294	63.872	ug/l #	74
29) Tetrahydrofuran	7.836	42	397621	309.229	ug/l #	75
30) Chloroform	7.965	83	358152	56.301	ug/l	92
31) Cyclohexane	8.259	56	237618	46.801	ug/l	87
32) 1,1,1-Trichloroethane	8.171	97	287960	55.555	ug/l	93
36) 1,1-Dichloropropene	8.371	75	237812	51.210	ug/l	95
37) Ethyl Acetate	7.565	43	224003	52.595	ug/l #	90
38) Carbon Tetrachloride	8.365	117	239748	51.226	ug/l	97
39) Methylcyclohexane	9.606	83	195175	44.659	ug/l #	85
40) Benzene	8.606	78	763409	54.885	ug/l	97

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41) Methacrylonitrile	7.777	41	139389	61.632	ug/l #	84
42) 1,2-Dichloroethane	8.671	62	292373	60.177	ug/l	97
43) Isopropyl Acetate	8.688	43	389030	52.086	ug/l #	91
44) Trichloroethene	9.353	130	178798	51.803	ug/l	99
45) 1,2-Dichloropropane	9.624	63	212159	59.686	ug/l	99
46) Dibromomethane	9.712	93	140393	57.844	ug/l	96
47) Bromodichloromethane	9.888	83	284289	54.922	ug/l	95
48) Methyl methacrylate	9.682	41	198887	60.793	ug/l #	80
49) 1,4-Dioxane	9.694	88	57250	990.353	ug/l #	78
51) 4-Methyl-2-Pentanone	10.447	43	1271305	302.331	ug/l	89
52) Toluene	10.629	92	455132	55.194	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	282508	55.673	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	295708	53.464	ug/l #	91
55) 1,1,2-Trichloroethane	11.018	97	191134	57.628	ug/l	96
56) Ethyl methacrylate	10.876	69	280394	59.269	ug/l #	84
57) 1,3-Dichloropropane	11.165	76	340056	58.167	ug/l	99
59) 2-Hexanone	11.194	43	911612	283.389	ug/l	88
60) Dibromochloromethane	11.359	129	206233	58.091	ug/l	100
61) 1,2-Dibromoethane	11.471	107	187581	56.349	ug/l	99
64) Tetrachloroethene	11.106	164	137826	51.876	ug/l	98
65) Chlorobenzene	11.894	112	464080	52.152	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	182572	56.946	ug/l	98
67) Ethyl Benzene	11.965	91	825616	53.253	ug/l	95
68) m/p-Xylenes	12.071	106	619112	107.199	ug/l	94
69) o-Xylene	12.400	106	303019	54.487	ug/l	92
70) Styrene	12.412	104	514877	57.608	ug/l	97
71) Bromoform	12.582	173	132019	57.990	ug/l #	99
73) Isopropylbenzene	12.700	105	727991	50.191	ug/l	100
74) N-amyl acetate	12.494	43	313084	49.453	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	273794	53.240	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	237030m	52.829	ug/l	
77) Bromobenzene	12.982	156	189474	53.357	ug/l	95
78) n-propylbenzene	13.035	91	866282	52.155	ug/l	97
79) 2-Chlorotoluene	13.123	91	542525	51.130	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	603258	53.458	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	75118	45.551	ug/l #	83
82) 4-Chlorotoluene	13.223	91	539810	51.196	ug/l	99
83) tert-Butylbenzene	13.441	119	494623	53.547	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	609772	54.921	ug/l	98
85) sec-Butylbenzene	13.617	105	667459	52.154	ug/l	100
86) p-Isopropyltoluene	13.729	119	555866	53.274	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	332001	50.258	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	327515	48.845	ug/l	99
89) n-Butylbenzene	14.059	91	457872	50.949	ug/l	98
90) Hexachloroethane	14.335	117	104360	50.503	ug/l	88
91) 1,2-Dichlorobenzene	14.106	146	328443	52.668	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	47971	55.006	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	152085	51.291	ug/l	96
94) Hexachlorobutadiene	15.500	225	61314	45.614	ug/l	97
95) Naphthalene	15.641	128	491186	48.847	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	152707	52.539	ug/l	98

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

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