

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122023\
 Data File : VN080546.D
 Acq On : 20 Dec 2023 14:56
 Operator : JC\MD
 Sample : VN1220WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/21/2023
 Supervised By : Mahesh Dadoda 12/21/2023

Quant Time: Dec 21 02:42:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	242493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	409815	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	364703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	166626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	184255	59.491	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.980%			
35) Dibromofluoromethane	8.165	113	138423	53.273	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.540%			
50) Toluene-d8	10.571	98	504039	52.013	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.020%			
62) 4-Bromofluorobenzene	12.847	95	174499	47.421	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.840%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	53569	17.287	ug/l	99
3) Chloromethane	2.359	50	47321	14.309	ug/l	97
4) Vinyl Chloride	2.518	62	39992	15.111	ug/l	97
5) Bromomethane	2.959	94	20043	16.798	ug/l	98
6) Chloroethane	3.124	64	28343	16.667	ug/l	99
7) Trichlorofluoromethane	3.495	101	92970	17.320	ug/l	100
8) Diethyl Ether	3.959	74	30144	17.829	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.371	101	46232	18.172	ug/l	99
10) Methyl Iodide	4.589	142	30899	13.808	ug/l #	88
11) Tert butyl alcohol	5.500	59	37069	101.625	ug/l #	87
12) 1,1-Dichloroethene	4.342	96	43525	16.696	ug/l	85
13) Acrolein	4.171	56	47612	119.189	ug/l	98
14) Allyl chloride	5.018	41	56556	17.535	ug/l	99
15) Acrylonitrile	5.712	53	106079	102.923	ug/l	99
16) Acetone	4.424	43	77427	140.990	ug/l	93
17) Carbon Disulfide	4.712	76	110289	14.928	ug/l	96
18) Methyl Acetate	5.012	43	81621	23.099	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	171534	19.723	ug/l	98
20) Methylene Chloride	5.271	84	57281	19.490	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	47186	16.693	ug/l #	75
22) Diisopropyl ether	6.671	45	143076	20.553	ug/l	91
23) Vinyl Acetate	6.600	43	379893	95.019	ug/l	93
24) 1,1-Dichloroethane	6.571	63	95155	19.592	ug/l	98
25) 2-Butanone	7.483	43	121493	114.841	ug/l	93
26) 2,2-Dichloropropane	7.488	77	87889	17.697	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	60212	18.819	ug/l	88
28) Bromochloromethane	7.818	49	35646	19.116	ug/l	99
29) Tetrahydrofuran	7.835	42	76031	100.363	ug/l	94
30) Chloroform	7.965	83	111026	20.594	ug/l	93
31) Cyclohexane	8.259	56	66160	15.708	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	96253	18.235	ug/l	95
36) 1,1-Dichloropropene	8.371	75	69200	16.288	ug/l	94
37) Ethyl Acetate	7.559	43	49020	18.426	ug/l	96
38) Carbon Tetrachloride	8.359	117	82376	16.227	ug/l	97
39) Methylcyclohexane	9.600	83	65606	14.865	ug/l #	86
40) Benzene	8.606	78	213231	17.381	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	28895	18.839	ug/l	92
42) 1,2-Dichloroethane	8.671	62	85128	18.738	ug/l	97
43) Isopropyl Acetate	8.688	43	88466	18.494	ug/l	97
44) Trichloroethene	9.353	130	56324	17.030	ug/l	95
45) 1,2-Dichloropropane	9.618	63	53282	18.491	ug/l	98
46) Dibromomethane	9.712	93	39247	18.967	ug/l #	88
47) Bromodichloromethane	9.888	83	83897	18.918	ug/l	99
48) Methyl methacrylate	9.682	41	51285	17.966	ug/l	92
49) 1,4-Dioxane	9.700	88	15596	360.450	ug/l #	86
51) 4-Methyl-2-Pentanone	10.447	43	263532	100.031	ug/l	98
52) Toluene	10.629	92	136204	17.574	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	87818	18.302	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	92520	18.040	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	56749	20.350	ug/l	98
56) Ethyl methacrylate	10.876	69	56946	18.444	ug/l	91
57) 1,3-Dichloropropane	11.165	76	91940	18.807	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	159547	81.855	ug/l	98
59) 2-Hexanone	11.194	43	189169	97.263	ug/l	100
60) Dibromochloromethane	11.359	129	62767	18.994	ug/l	99
61) 1,2-Dibromoethane	11.471	107	53501	18.536	ug/l	98
64) Tetrachloroethene	11.106	164	46167	16.395	ug/l	98
65) Chlorobenzene	11.894	112	142272	17.536	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	57195	17.967	ug/l	95
67) Ethyl Benzene	11.965	91	243563	16.327	ug/l	99
68) m/p-Xylenes	12.070	106	187919	34.090	ug/l	93
69) o-Xylene	12.400	106	84372	15.648	ug/l	86
70) Styrene	12.412	104	130010	16.740	ug/l	96
71) Bromoform	12.576	173	40459	17.428	ug/l #	98
73) Isopropylbenzene	12.694	105	223044	16.663	ug/l	97
74) N-amyl acetate	12.494	43	68551	17.538	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	68843	19.193	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	62637m	18.843	ug/l	
77) Bromobenzene	12.982	156	56524	17.166	ug/l	99
78) n-propylbenzene	13.035	91	247349	16.760	ug/l	98
79) 2-Chlorotoluene	13.123	91	162745	16.891	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	194174	16.843	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	20434	16.140	ug/l	91
82) 4-Chlorotoluene	13.223	91	167549	16.918	ug/l	97
83) tert-Butylbenzene	13.441	119	158500	16.788	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	195595	17.055	ug/l	99
85) sec-Butylbenzene	13.617	105	198596	16.444	ug/l	99
86) p-Isopropyltoluene	13.729	119	183720	16.847	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	98343	16.951	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	97986	16.732	ug/l	96
89) n-Butylbenzene	14.059	91	147912	16.242	ug/l	99
90) Hexachloroethane	14.335	117	28578	16.501	ug/l	72
91) 1,2-Dichlorobenzene	14.106	146	98477	17.876	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	15301	20.281	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	52292	17.096	ug/l	96
94) Hexachlorobutadiene	15.506	225	26700	15.333	ug/l	99
95) Naphthalene	15.641	128	162940	17.543	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	51389	17.410	ug/l	98

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

