

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121423\
 Data File : VN080485.D
 Acq On : 14 Dec 2023 16:15
 Operator : JC\MD
 Sample : VN1214WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1214WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2023
 Supervised By : Mahesh Dadoda 12/15/2023

Quant Time: Dec 15 00:29:04 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	285657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	442585	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	396958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	183731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	184095	50.458	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	100.920%
35) Dibromofluoromethane	8.165	113	140197	49.960	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.920%
50) Toluene-d8	10.565	98	504877	48.242	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.480%
62) 4-Bromofluorobenzene	12.847	95	184893	46.525	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.060%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	65102	17.834	ug/l	98
3) Chloromethane	2.359	50	60656	15.599	ug/l	98
4) Vinyl Chloride	2.518	62	49633	15.921	ug/l	95
5) Bromomethane	2.965	94	23616	16.802	ug/l	90
6) Chloroethane	3.118	64	32302	16.125	ug/l	99
7) Trichlorofluoromethane	3.501	101	115438	18.256	ug/l	98
8) Diethyl Ether	3.953	74	34347	17.245	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.377	101	55466	18.507	ug/l #	83
10) Methyl Iodide	4.583	142	38156	14.474	ug/l	95
11) Tert butyl alcohol	5.506	59	39195	91.216	ug/l	98
12) 1,1-Dichloroethene	4.342	96	52430	17.073	ug/l #	83
13) Acrolein	4.177	56	36103	76.721	ug/l	97
14) Allyl chloride	5.030	41	63733	16.774	ug/l	97
15) Acrylonitrile	5.712	53	105822	87.160	ug/l	97
16) Acetone	4.424	43	74268	114.803	ug/l	96
17) Carbon Disulfide	4.712	76	135106	15.524	ug/l	98
18) Methyl Acetate	5.018	43	74973	18.011	ug/l	95
19) Methyl tert-butyl Ether	5.795	73	182047	17.769	ug/l	99
20) Methylene Chloride	5.283	84	60204	17.390	ug/l	93
21) trans-1,2-Dichloroethene	5.789	96	56930	17.097	ug/l	86
22) Diisopropyl ether	6.671	45	145387	17.730	ug/l	96
23) Vinyl Acetate	6.600	43	390292	82.869	ug/l #	91
24) 1,1-Dichloroethane	6.565	63	101096	17.670	ug/l	98
25) 2-Butanone	7.483	43	119820	96.145	ug/l	89
26) 2,2-Dichloropropane	7.489	77	101726	17.388	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	65303	17.326	ug/l	88
28) Bromochloromethane	7.812	49	38056	17.324	ug/l	96
29) Tetrahydrofuran	7.836	42	74592	83.585	ug/l	97
30) Chloroform	7.965	83	116274	18.309	ug/l	97
31) Cyclohexane	8.259	56	82425	16.613	ug/l	93
32) 1,1,1-Trichloroethane	8.171	97	114859	18.472	ug/l	97
36) 1,1-Dichloropropene	8.371	75	83563	18.212	ug/l	96
37) Ethyl Acetate	7.559	43	51762	18.016	ug/l	96
38) Carbon Tetrachloride	8.359	117	100067	18.252	ug/l	96
39) Methylcyclohexane	9.600	83	82187	17.243	ug/l	91
40) Benzene	8.606	78	239403	18.069	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	28884	17.438	ug/l	96
42) 1,2-Dichloroethane	8.671	62	94592	19.279	ug/l	98
43) Isopropyl Acetate	8.688	43	90849	17.586	ug/l	96
44) Trichloroethene	9.353	130	63677	17.828	ug/l	95
45) 1,2-Dichloropropane	9.618	63	57214	18.386	ug/l	99
46) Dibromomethane	9.706	93	41419	18.534	ug/l	92
47) Bromodichloromethane	9.888	83	90161	18.825	ug/l	97
48) Methyl methacrylate	9.683	41	52353	16.982	ug/l	91
49) 1,4-Dioxane	9.688	88	17299	370.206	ug/l #	88
51) 4-Methyl-2-Pentanone	10.441	43	263243	92.523	ug/l	99
52) Toluene	10.630	92	152322	18.199	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	93078	17.962	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	100515	18.148	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	56420	18.734	ug/l	97
56) Ethyl methacrylate	10.877	69	56596	16.973	ug/l	90
57) 1,3-Dichloropropane	11.165	76	97891	18.542	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	175215	83.238	ug/l	99
59) 2-Hexanone	11.194	43	187919	89.467	ug/l	99
60) Dibromochloromethane	11.359	129	67179	18.824	ug/l	97
61) 1,2-Dibromoethane	11.471	107	56290	18.059	ug/l	98
64) Tetrachloroethene	11.106	164	54824	17.888	ug/l	94
65) Chlorobenzene	11.894	112	157439	17.829	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	61047	17.619	ug/l	95
67) Ethyl Benzene	11.965	91	285468	17.581	ug/l	95
68) m/p-Xylenes	12.071	106	216210	36.036	ug/l	90
69) o-Xylene	12.400	106	102180	17.411	ug/l	88
70) Styrene	12.412	104	152805	18.076	ug/l	94
71) Bromoform	12.582	173	43201	17.097	ug/l #	98
73) Isopropylbenzene	12.694	105	270177	18.305	ug/l	98
74) N-amyl acetate	12.494	43	72078	16.723	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	70890	17.924	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	66403m	18.116	ug/l	
77) Bromobenzene	12.982	156	65605	18.069	ug/l	95
78) n-propylbenzene	13.035	91	297310	18.270	ug/l	100
79) 2-Chlorotoluene	13.123	91	195378	18.390	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	233714	18.386	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	27196	19.481	ug/l	92
82) 4-Chlorotoluene	13.223	91	193451	17.715	ug/l	96
83) tert-Butylbenzene	13.441	119	187066	17.969	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	229442	18.144	ug/l	99
85) sec-Butylbenzene	13.618	105	238990	17.946	ug/l	99
86) p-Isopropyltoluene	13.729	119	216866	18.036	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	114089	17.834	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	113376	17.557	ug/l	97
89) n-Butylbenzene	14.059	91	172328	17.161	ug/l	99
90) Hexachloroethane	14.335	117	35467	18.573	ug/l	74
91) 1,2-Dichlorobenzene	14.106	146	107057	17.624	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	15426	18.543	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	61520	18.241	ug/l	97
94) Hexachlorobutadiene	15.500	225	33469	17.431	ug/l	100
95) Naphthalene	15.641	128	176766	17.260	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	57310	17.609	ug/l	94

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

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