

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080453.D
 Acq On : 13 Dec 2023 11:32
 Operator : JC\MD
 Sample : VN1213WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2023
 Supervised By : Mahesh Dadoda 12/14/2023

Quant Time: Dec 14 04:03:13 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	320179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	491480	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	438273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	204107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	229164	56.038	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.080%			
35) Dibromofluoromethane	8.165	113	173343	55.627	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.260%			
50) Toluene-d8	10.565	98	641527	55.201	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.400%			
62) 4-Bromofluorobenzene	12.847	95	232955	52.787	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	84634	20.685	ug/l	96
3) Chloromethane	2.359	50	78555	18.072	ug/l	99
4) Vinyl Chloride	2.512	62	67591	19.343	ug/l	98
5) Bromomethane	2.959	94	31209	19.810	ug/l	99
6) Chloroethane	3.124	64	41925	18.672	ug/l	97
7) Trichlorofluoromethane	3.501	101	146252	20.636	ug/l	98
8) Diethyl Ether	3.959	74	42436	19.010	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.371	101	69651	20.734	ug/l	95
10) Methyl Iodide	4.589	142	51009	17.263	ug/l	91
11) Tert butyl alcohol	5.506	59	45228	93.908	ug/l	99
12) 1,1-Dichloroethene	4.342	96	66256	19.249	ug/l	86
13) Acrolein	4.177	56	40282	76.372	ug/l	96
14) Allyl chloride	5.018	41	81014	19.024	ug/l	96
15) Acrylonitrile	5.712	53	133450	98.064	ug/l	98
16) Acetone	4.418	43	86999	119.982	ug/l	98
17) Carbon Disulfide	4.712	76	181726	18.630	ug/l	97
18) Methyl Acetate	5.012	43	92132	19.747	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	231605	20.168	ug/l	99
20) Methylene Chloride	5.271	84	75200	19.379	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	72281	19.367	ug/l #	83
22) Diisopropyl ether	6.671	45	183860	20.004	ug/l	97
23) Vinyl Acetate	6.600	43	516123	97.771	ug/l	94
24) 1,1-Dichloroethane	6.571	63	129001	20.116	ug/l	98
25) 2-Butanone	7.483	43	146664	104.996	ug/l	92
26) 2,2-Dichloropropane	7.489	77	130412	19.888	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	84609	20.028	ug/l	90
28) Bromochloromethane	7.812	49	46856	19.030	ug/l	99
29) Tetrahydrofuran	7.836	42	95834	95.809	ug/l	96
30) Chloroform	7.965	83	147707	20.751	ug/l	96
31) Cyclohexane	8.253	56	106504	19.151	ug/l	91
32) 1,1,1-Trichloroethane	8.171	97	143972	20.657	ug/l	97
36) 1,1-Dichloropropene	8.371	75	107989	21.194	ug/l	96
37) Ethyl Acetate	7.559	43	63714	19.969	ug/l	97
38) Carbon Tetrachloride	8.365	117	131343	21.574	ug/l	92
39) Methylcyclohexane	9.600	83	106933	20.202	ug/l	92
40) Benzene	8.606	78	297282	20.205	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	36132	19.643	ug/l	94
42) 1,2-Dichloroethane	8.671	62	118016	21.661	ug/l	96
43) Isopropyl Acetate	8.688	43	112819	19.666	ug/l	97
44) Trichloroethene	9.353	130	79547	20.055	ug/l	98
45) 1,2-Dichloropropane	9.624	63	71352	20.648	ug/l	96
46) Dibromomethane	9.706	93	51507	20.755	ug/l #	89
47) Bromodichloromethane	9.888	83	115561	21.728	ug/l	97
48) Methyl methacrylate	9.677	41	67320	19.664	ug/l	93
49) 1,4-Dioxane	9.688	88	18432	355.211	ug/l #	88
51) 4-Methyl-2-Pentanone	10.447	43	323486	102.386	ug/l	99
52) Toluene	10.630	92	196508	21.142	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	119487	20.764	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	125906	20.470	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	69131	20.671	ug/l	98
56) Ethyl methacrylate	10.877	69	74902	20.229	ug/l #	71
57) 1,3-Dichloropropane	11.165	76	121900	20.792	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	195779	83.754	ug/l	100
59) 2-Hexanone	11.194	43	233454	100.088	ug/l	99
60) Dibromochloromethane	11.359	129	85306	21.525	ug/l	100
61) 1,2-Dibromoethane	11.471	107	72405	20.918	ug/l	95
64) Tetrachloroethene	11.106	164	67431	19.927	ug/l	92
65) Chlorobenzene	11.894	112	204783	21.004	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	80588	21.066	ug/l	94
67) Ethyl Benzene	11.965	91	368027	20.529	ug/l	96
68) m/p-Xylenes	12.071	106	278476	42.038	ug/l	91
69) o-Xylene	12.400	106	134988	20.833	ug/l	91
70) Styrene	12.412	104	192707	20.648	ug/l	92
71) Bromoform	12.582	173	54647	19.588	ug/l #	97
73) Isopropylbenzene	12.694	105	351115	21.414	ug/l	97
74) N-amyl acetate	12.494	43	96172	20.086	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	87382	19.888	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	81951m	20.126	ug/l	
77) Bromobenzene	12.982	156	83365	20.668	ug/l	95
78) n-propylbenzene	13.035	91	386489	21.379	ug/l	99
79) 2-Chlorotoluene	13.123	91	245392	20.792	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	298309	21.125	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	29617	19.097	ug/l #	87
82) 4-Chlorotoluene	13.223	91	252817	20.840	ug/l	97
83) tert-Butylbenzene	13.441	119	236958	20.489	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	302560	21.537	ug/l	98
85) sec-Butylbenzene	13.618	105	307151	20.762	ug/l	100
86) p-Isopropyltoluene	13.729	119	284945	21.332	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	145504	20.475	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	146865	20.473	ug/l	97
89) n-Butylbenzene	14.059	91	231241	20.729	ug/l	100
90) Hexachloroethane	14.335	117	45538	21.466	ug/l	70
91) 1,2-Dichlorobenzene	14.106	146	138098	20.464	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	18410	19.921	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	81655	21.794	ug/l	98
94) Hexachlorobutadiene	15.500	225	43662	20.469	ug/l	97
95) Naphthalene	15.641	128	234326	20.596	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	75775	20.958	ug/l	97

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

