

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085255.D
 Acq On : 18 Dec 2024 16:50
 Operator : JC\MD
 Sample : VN1218WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218WBS01

Quant Time: Dec 19 06:45:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	104586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	185338	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	167159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	82237	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	96901	53.009	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.020%
35) Dibromofluoromethane	8.165	113	67589	51.871	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.740%
50) Toluene-d8	10.565	98	255819	53.715	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.440%
62) 4-Bromofluorobenzene	12.847	95	87550	51.468	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.940%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	37661	22.604	ug/l	95
3) Chloromethane	2.353	50	31330	19.728	ug/l	95
4) Vinyl Chloride	2.506	62	32145	21.603	ug/l	97
5) Bromomethane	2.953	94	21051	21.567	ug/l	95
6) Chloroethane	3.112	64	22624	24.337	ug/l	99
7) Trichlorofluoromethane	3.495	101	51517	21.440	ug/l	94
8) Diethyl Ether	3.959	74	16243	21.522	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	26473	20.542	ug/l	97
10) Methyl Iodide	4.589	142	27496	18.712	ug/l	97
11) Tert butyl alcohol	5.524	59	26216	103.243	ug/l	99
12) 1,1-Dichloroethene	4.336	96	24046	20.143	ug/l	94
13) Acrolein	4.183	56	28560	97.667	ug/l	99
14) Allyl chloride	5.024	41	41678	20.160	ug/l	97
15) Acrylonitrile	5.718	53	73924	106.886	ug/l	96
16) Acetone	4.430	43	68208	108.097	ug/l	93
17) Carbon Disulfide	4.706	76	76846	18.864	ug/l	100
18) Methyl Acetate	5.024	43	37043	20.737	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	86814	21.218	ug/l	95
20) Methylene Chloride	5.271	84	29206	21.160	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	26944	20.473	ug/l	87
22) Diisopropyl ether	6.671	45	95785	21.719	ug/l	99
23) Vinyl Acetate	6.600	43	362473m	106.365	ug/l	
24) 1,1-Dichloroethane	6.571	63	53325	20.873	ug/l	97
25) 2-Butanone	7.483	43	105791	109.480	ug/l	98
26) 2,2-Dichloropropane	7.488	77	48866	20.657	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	30678	20.020	ug/l	98
28) Bromochloromethane	7.812	49	30834	23.932	ug/l	96
29) Tetrahydrofuran	7.841	42	68404	109.816	ug/l	98
30) Chloroform	7.965	83	55986	20.521	ug/l	100
31) Cyclohexane	8.253	56	47305	20.002	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	51532	21.193	ug/l	97
36) 1,1-Dichloropropene	8.371	75	37467	20.650	ug/l	98
37) Ethyl Acetate	7.559	43	44447	21.234	ug/l	99
38) Carbon Tetrachloride	8.359	117	44596	20.329	ug/l	98
39) Methylcyclohexane	9.606	83	37259	19.734	ug/l	97
40) Benzene	8.606	78	118597	21.011	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	21124	19.802	ug/l	94
42) 1,2-Dichloroethane	8.671	62	45512	21.168	ug/l	99
43) Isopropyl Acetate	8.688	43	74325	19.416	ug/l	99
44) Trichloroethene	9.353	130	24205	19.261	ug/l	92
45) 1,2-Dichloropropane	9.618	63	28904	20.682	ug/l	95
46) Dibromomethane	9.706	93	21343	21.393	ug/l	95
47) Bromodichloromethane	9.888	83	44064	20.614	ug/l #	97
48) Methyl methacrylate	9.682	41	32944	20.995	ug/l	99
49) 1,4-Dioxane	9.694	88	11535	466.238	ug/l	91
51) 4-Methyl-2-Pentanone	10.441	43	227489	113.105	ug/l	99
52) Toluene	10.629	92	71944	21.198	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	43943	21.091	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	45882	20.712	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	27330	21.505	ug/l	95
56) Ethyl methacrylate	10.871	69	41790	18.758	ug/l	94
57) 1,3-Dichloropropane	11.165	76	48499	21.683	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	92105	90.888	ug/l	100
59) 2-Hexanone	11.194	43	166521	116.145	ug/l	97
60) Dibromochloromethane	11.359	129	32230	21.399	ug/l	98
61) 1,2-Dibromoethane	11.470	107	27086	20.693	ug/l	92
64) Tetrachloroethene	11.100	164	21637	19.236	ug/l	97
65) Chlorobenzene	11.888	112	76747	20.425	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	28632	21.841	ug/l	96
67) Ethyl Benzene	11.959	91	131866	20.475	ug/l	97
68) m/p-Xylenes	12.070	106	101160	41.996	ug/l	100
69) o-Xylene	12.400	106	46408	20.497	ug/l	97
70) Styrene	12.412	104	80812	21.380	ug/l	99
71) Bromoform	12.576	173	21963	21.373	ug/l #	100
73) Isopropylbenzene	12.694	105	120632	20.335	ug/l	100
74) N-amyl acetate	12.494	43	62399	21.060	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	41731	19.743	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	35881m	18.304	ug/l	
77) Bromobenzene	12.976	156	30070	19.305	ug/l	100
78) n-propylbenzene	13.035	91	149090	20.492	ug/l	100
79) 2-Chlorotoluene	13.123	91	95265	20.623	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	103631	20.943	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	15072m	20.416	ug/l	
82) 4-Chlorotoluene	13.217	91	94397	20.194	ug/l	100
83) tert-Butylbenzene	13.435	119	86636	20.645	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	105875	20.933	ug/l	97
85) sec-Butylbenzene	13.617	105	119003	20.341	ug/l	100
86) p-Isopropyltoluene	13.729	119	95752	18.202	ug/l	97
87) 1,3-Dichlorobenzene	13.729	146	55612	19.388	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	55088	18.561	ug/l	99
89) n-Butylbenzene	14.059	91	82209	19.108	ug/l	98
90) Hexachloroethane	14.329	117	21681	20.174	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	52809	19.794	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8893	21.939	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	23431	17.157	ug/l	97
94) Hexachlorobutadiene	15.494	225	11764	16.574	ug/l	95
95) Naphthalene	15.641	128	77502	17.137	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	23956	17.562	ug/l	99

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

