

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
 Data File : VN084082.D
 Acq On : 21 Sep 2024 01:47
 Operator : JC\MD
 Sample : VN0920WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0920WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/23/2024
 Supervised By : Mahesh Dadoda 09/23/2024

Quant Time: Sep 21 05:13:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	135246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	237895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	210458	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104494	51.240	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.480%			
35) Dibromofluoromethane	8.165	113	74770	49.095	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.180%			
50) Toluene-d8	10.565	98	266909	50.695	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.380%			
62) 4-Bromofluorobenzene	12.847	95	99810	45.949	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.900%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	27969	17.807	ug/l	96
3) Chloromethane	2.365	50	30447	17.794	ug/l	96
4) Vinyl Chloride	2.518	62	29913	17.375	ug/l	94
5) Bromomethane	2.959	94	18792	19.011	ug/l	91
6) Chloroethane	3.124	64	20187	16.716	ug/l	100
7) Trichlorofluoromethane	3.495	101	51893	17.757	ug/l	100
8) Diethyl Ether	3.965	74	18008	18.383	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.377	101	28540	18.425	ug/l	98
10) Methyl Iodide	4.589	142	33096	16.800	ug/l	89
11) Tert butyl alcohol	5.524	59	33049	121.022	ug/l	100
12) 1,1-Dichloroethene	4.353	96	26148	17.875	ug/l	79
13) Acrolein	4.183	56	20468	75.964	ug/l	93
14) Allyl chloride	5.024	41	43276	16.603	ug/l	95
15) Acrylonitrile	5.724	53	83101	111.897	ug/l	99
16) Acetone	4.430	43	74792	91.487	ug/l	100
17) Carbon Disulfide	4.712	76	65534	16.015	ug/l	100
18) Methyl Acetate	5.024	43	41720	23.510	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	104478	19.737	ug/l	96
20) Methylene Chloride	5.277	84	33016	19.735	ug/l	98
21) trans-1,2-Dichloroethene	5.794	96	29123	18.577	ug/l	90
22) Diisopropyl ether	6.671	45	108884	20.293	ug/l	92
23) Vinyl Acetate	6.606	43	384107	97.753	ug/l	100
24) 1,1-Dichloroethane	6.571	63	61465	19.883	ug/l	98
25) 2-Butanone	7.483	43	116235	108.177	ug/l	97
26) 2,2-Dichloropropane	7.488	77	38619	13.566	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	34889	18.747	ug/l	98
28) Bromochloromethane	7.812	49	29846	22.927	ug/l	92
29) Tetrahydrofuran	7.841	42	71866	113.115	ug/l	97
30) Chloroform	7.965	83	65072	19.828	ug/l	98
31) Cyclohexane	8.253	56	49875	16.922	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	58452	19.370	ug/l	94
36) 1,1-Dichloropropene	8.371	75	41631	18.161	ug/l	97
37) Ethyl Acetate	7.565	43	47059	22.617	ug/l	99
38) Carbon Tetrachloride	8.359	117	50505	19.421	ug/l	98
39) Methylcyclohexane	9.600	83	40140	15.384	ug/l	99
40) Benzene	8.606	78	131272	19.026	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	25595	20.798	ug/l	100
42) 1,2-Dichloroethane	8.671	62	51514	19.981	ug/l	99
43) Isopropyl Acetate	8.688	43	85757	22.744	ug/l	99
44) Trichloroethene	9.353	130	29796	18.649	ug/l	92
45) 1,2-Dichloropropane	9.624	63	33066	19.829	ug/l	98
46) Dibromomethane	9.706	93	23451	20.077	ug/l	97
47) Bromodichloromethane	9.888	83	52173	20.639	ug/l	97
48) Methyl methacrylate	9.682	41	37123	20.752	ug/l	99
49) 1,4-Dioxane	9.700	88	13801	468.968	ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	239098	116.491	ug/l	97
52) Toluene	10.629	92	80773	19.139	ug/l	95
53) t-1,3-Dichloropropene	10.835	75	47328	18.471	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	50256	18.672	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	31797	20.182	ug/l	97
56) Ethyl methacrylate	10.876	69	49915	20.592	ug/l	95
57) 1,3-Dichloropropane	11.165	76	55087	20.343	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	100355	114.897	ug/l	96
59) 2-Hexanone	11.194	43	174591	114.992	ug/l	96
60) Dibromochloromethane	11.359	129	37304	21.156	ug/l	97
61) 1,2-Dibromoethane	11.471	107	31067	19.772	ug/l	99
64) Tetrachloroethene	11.106	164	26686	19.067	ug/l	97
65) Chlorobenzene	11.888	112	86323	18.455	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	31744	19.576	ug/l	99
67) Ethyl Benzene	11.965	91	152414	18.343	ug/l	99
68) m/p-Xylenes	12.071	106	113143	36.676	ug/l	99
69) o-Xylene	12.400	106	55570	18.607	ug/l	99
70) Styrene	12.412	104	93753	19.128	ug/l	99
71) Bromoform	12.576	173	23224	21.254	ug/l #	99
73) Isopropylbenzene	12.694	105	142712	18.577	ug/l	100
74) N-amyl acetate	12.494	43	67951	20.732	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	45988	20.374	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	39990m	19.959	ug/l	
77) Bromobenzene	12.982	156	34711	18.771	ug/l	97
78) n-propylbenzene	13.035	91	167314	18.719	ug/l	99
79) 2-Chlorotoluene	13.123	91	108564	19.045	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	121695	18.789	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	14285	18.673	ug/l	95
82) 4-Chlorotoluene	13.223	91	107935	18.868	ug/l	99
83) tert-Butylbenzene	13.441	119	101383	17.892	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	121903	18.737	ug/l	100
85) sec-Butylbenzene	13.617	105	141309	18.804	ug/l	99
86) p-Isopropyltoluene	13.729	119	112770	17.901	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	61992	17.763	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	61877	17.510	ug/l	99
89) n-Butylbenzene	14.059	91	93983	16.616	ug/l	99
90) Hexachloroethane	14.329	117	23185	18.309	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	60727	18.030	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9734	21.634	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	28082	15.538	ug/l	99
94) Hexachlorobutadiene	15.500	225	12934	16.851	ug/l	97
95) Naphthalene	15.641	128	91553	16.650	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	28021	16.222	ug/l	99

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

