

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
 Data File : VN085785.D
 Acq On : 19 Feb 2025 12:49
 Operator : JC\MD
 Sample : VN0219WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/20/2025
 Supervised By : Mahesh Dadoda 02/20/2025

Quant Time: Feb 20 00:46:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	317605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	521252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	448364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	214627	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	217012	52.703	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.400%			
35) Dibromofluoromethane	8.159	113	178920	52.457	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.920%			
50) Toluene-d8	10.559	98	680181	54.811	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.620%			
62) 4-Bromofluorobenzene	12.841	95	229130	56.040	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.080%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	77696	17.985	ug/l	98
3) Chloromethane	2.365	50	74591	17.207	ug/l	97
4) Vinyl Chloride	2.518	62	79041	17.221	ug/l	95
5) Bromomethane	2.971	94	50468	17.196	ug/l	93
6) Chloroethane	3.130	64	51535	16.951	ug/l	100
7) Trichlorofluoromethane	3.506	101	113556	17.088	ug/l	99
8) Diethyl Ether	3.959	74	37608	17.491	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	67904	17.677	ug/l	98
10) Methyl Iodide	4.589	142	84017	17.744	ug/l	96
11) Tert butyl alcohol	5.506	59	40814	80.590	ug/l	99
12) 1,1-Dichloroethene	4.342	96	60676	17.421	ug/l	91
13) Acrolein	4.177	56	67140	89.399	ug/l	97
14) Allyl chloride	5.024	41	82249	17.986	ug/l	96
15) Acrylonitrile	5.712	53	139892	84.969	ug/l	98
16) Acetone	4.424	43	122165	93.764	ug/l	100
17) Carbon Disulfide	4.712	76	173167	16.776	ug/l	100
18) Methyl Acetate	5.018	43	73093	16.311	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	185025	17.877	ug/l	99
20) Methylene Chloride	5.271	84	70470	16.819	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	63776	17.005	ug/l	99
22) Diisopropyl ether	6.665	45	195801	18.949	ug/l	99
23) Vinyl Acetate	6.594	43	625121	88.357	ug/l	99
24) 1,1-Dichloroethane	6.565	63	124228	17.686	ug/l	99
25) 2-Butanone	7.477	43	171689	89.571	ug/l	99
26) 2,2-Dichloropropane	7.483	77	107312	17.181	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	76419	17.574	ug/l	98
28) Bromochloromethane	7.812	49	54654	18.931	ug/l	96
29) Tetrahydrofuran	7.836	42	109999	88.869	ug/l	98
30) Chloroform	7.965	83	128179	17.462	ug/l	97
31) Cyclohexane	8.253	56	102328	17.399	ug/l	99
32) 1,1,1-Trichloroethane	8.159	97	113950	17.453	ug/l	96
36) 1,1-Dichloropropene	8.365	75	87987	18.227	ug/l	99
37) Ethyl Acetate	7.553	43	67250	16.929	ug/l #	79
38) Carbon Tetrachloride	8.359	117	100587	17.537	ug/l	97
39) Methylcyclohexane	9.600	83	88477	18.657	ug/l	98
40) Benzene	8.600	78	280766	18.147	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	39017	18.373	ug/l	99
42) 1,2-Dichloroethane	8.665	62	89245	17.709	ug/l	100
43) Isopropyl Acetate	8.683	43	120724	16.955	ug/l	99
44) Trichloroethene	9.347	130	65573	17.262	ug/l	99
45) 1,2-Dichloropropane	9.618	63	66592	17.831	ug/l	98
46) Dibromomethane	9.706	93	47875	18.174	ug/l	99
47) Bromodichloromethane	9.882	83	99356	17.629	ug/l	98
48) Methyl methacrylate	9.677	41	52986	17.960	ug/l	98
49) 1,4-Dioxane	9.688	88	19426	346.260	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	341491	89.161	ug/l	99
52) Toluene	10.624	92	171977	18.963	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	96745	18.564	ug/l	93
54) cis-1,3-Dichloropropene	10.306	75	105862	18.525	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	64242	17.816	ug/l	95
56) Ethyl methacrylate	10.871	69	85337	18.049	ug/l	97
57) 1,3-Dichloropropane	11.159	76	106816	17.745	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	201570	116.421	ug/l	99
59) 2-Hexanone	11.188	43	247868	94.072	ug/l	99
60) Dibromochloromethane	11.353	129	76437	18.204	ug/l	97
61) 1,2-Dibromoethane	11.465	107	61951	18.184	ug/l	99
64) Tetrachloroethene	11.100	164	62687	18.047	ug/l	96
65) Chlorobenzene	11.882	112	184006	17.914	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.953	131	66036	17.887	ug/l	99
67) Ethyl Benzene	11.959	91	302618	18.808	ug/l	99
68) m/p-Xylenes	12.065	106	237487	38.858	ug/l	100
69) o-Xylene	12.394	106	110947	19.104	ug/l	98
70) Styrene	12.406	104	186581	18.723	ug/l	100
71) Bromoform	12.570	173	50314	18.341	ug/l #	95
73) Isopropylbenzene	12.688	105	276962	18.836	ug/l	99
74) N-amyl acetate	12.488	43	93083	17.952	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	83784	16.559	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	84684m	17.762	ug/l	
77) Bromobenzene	12.976	156	72364	18.216	ug/l	98
78) n-propylbenzene	13.029	91	334808	19.882	ug/l	100
79) 2-Chlorotoluene	13.118	91	209179	18.592	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	237981	19.868	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.729	75	27278	16.694	ug/l	97
82) 4-Chlorotoluene	13.218	91	211210	18.936	ug/l	100
83) tert-Butylbenzene	13.435	119	196815	19.540	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	238828	20.154	ug/l	99
85) sec-Butylbenzene	13.612	105	279259	19.623	ug/l	99
86) p-Isopropyltoluene	13.723	119	232973	19.175	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	132661	17.824	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	133326	17.478	ug/l	98
89) n-Butylbenzene	14.053	91	189182	18.724	ug/l	98
90) Hexachloroethane	14.329	117	46657	17.311	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	125196	17.493	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	14872	16.006	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	59852	17.550	ug/l	100
94) Hexachlorobutadiene	15.494	225	35118	16.944	ug/l	99
95) Naphthalene	15.635	128	150740	16.100	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	58155	16.986	ug/l	99

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

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