

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031425\
 Data File : VN085987.D
 Acq On : 14 Mar 2025 13:48
 Operator : JC\MD
 Sample : VN0314WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2025
 Supervised By : Mahesh Dadoda 03/18/2025

Quant Time: Mar 15 00:00:48 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	8.224	168	171865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	273333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	248299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107303	48.157	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.320%		
35) Dibromofluoromethane	8.165	113	86659	48.452	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.900%		
50) Toluene-d8	10.565	98	308653	47.432	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.860%		
62) 4-Bromofluorobenzene	12.847	95	116972	54.557	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	109.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	48084	20.569	ug/l	98
3) Chloromethane	2.359	50	38574	16.444	ug/l	98
4) Vinyl Chloride	2.507	62	39990	16.101	ug/l	99
5) Bromomethane	2.959	94	25169	15.848	ug/l	99
6) Chloroethane	3.118	64	23214	14.110	ug/l	96
7) Trichlorofluoromethane	3.495	101	69488	19.324	ug/l	99
8) Diethyl Ether	3.965	74	21277	18.287	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	38842	18.686	ug/l	100
10) Methyl Iodide	4.589	142	47685	18.610	ug/l	95
11) Tert butyl alcohol	5.524	59	27724	101.164	ug/l #	89
12) 1,1-Dichloroethene	4.342	96	33872	17.972	ug/l	94
13) Acrolein	4.183	56	21157	52.060	ug/l	100
14) Allyl chloride	5.018	41	40497	16.366	ug/l	97
15) Acrylonitrile	5.718	53	86116	96.661	ug/l	96
16) Acetone	4.430	43	74012	104.977	ug/l	97
17) Carbon Disulfide	4.712	76	99830	17.872	ug/l	99
18) Methyl Acetate	5.018	43	37670	15.534	ug/l	96
19) Methyl tert-butyl Ether	5.795	73	110005	19.642	ug/l	99
20) Methylene Chloride	5.277	84	39987	17.636	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	36924	18.194	ug/l	92
22) Diisopropyl ether	6.677	45	99339	17.766	ug/l #	97
23) Vinyl Acetate	6.600	43	342176	89.377	ug/l	98
24) 1,1-Dichloroethane	6.559	63	67696	17.810	ug/l	97
25) 2-Butanone	7.483	43	99701	96.122	ug/l	95
26) 2,2-Dichloropropane	7.489	77	63984	18.931	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	40768	17.325	ug/l	97
28) Bromochloromethane	7.812	49	30893	19.775	ug/l	99
29) Tetrahydrofuran	7.836	42	61858	92.354	ug/l	93
30) Chloroform	7.965	83	74614	18.784	ug/l	94
31) Cyclohexane	8.253	56	56916	17.884	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	69925	19.792	ug/l	98
36) 1,1-Dichloropropene	8.371	75	49790	19.670	ug/l	98
37) Ethyl Acetate	7.559	43	41962	20.144	ug/l	99
38) Carbon Tetrachloride	8.359	117	65209	21.681	ug/l	95
39) Methylcyclohexane	9.600	83	47214	18.986	ug/l	91
40) Benzene	8.606	78	157928	19.466	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	21759	19.540	ug/l	95
42) 1,2-Dichloroethane	8.671	62	54892	20.772	ug/l	98
43) Isopropyl Acetate	8.683	43	71776	19.298	ug/l	99
44) Trichloroethene	9.353	130	37458	18.804	ug/l	93
45) 1,2-Dichloropropane	9.618	63	37290	19.042	ug/l	94
46) Dibromomethane	9.706	93	28059	20.313	ug/l	100
47) Bromodichloromethane	9.888	83	57801	19.558	ug/l	99
48) Methyl methacrylate	9.677	41	30155	19.492	ug/l	93
49) 1,4-Dioxane	9.694	88	14185	482.174	ug/l #	84
51) 4-Methyl-2-Pentanone	10.441	43	206335	102.736	ug/l	97
52) Toluene	10.630	92	98087	20.625	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	56574	20.702	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	60106	20.058	ug/l	93
55) 1,1,2-Trichloroethane	11.012	97	37886	20.037	ug/l	99
56) Ethyl methacrylate	10.871	69	49841	19.959	ug/l	97
57) 1,3-Dichloropropane	11.159	76	61491	19.481	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	97269	107.578	ug/l	98
59) 2-Hexanone	11.194	43	151031	109.311	ug/l	99
60) Dibromochloromethane	11.359	129	46633	21.180	ug/l	99
61) 1,2-Dibromoethane	11.471	107	37436	20.954	ug/l	97
64) Tetrachloroethene	11.100	164	36960	19.214	ug/l	94
65) Chlorobenzene	11.888	112	105594	18.564	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	40840	19.975	ug/l	96
67) Ethyl Benzene	11.959	91	174786	19.616	ug/l	100
68) m/p-Xylenes	12.071	106	142429	42.082	ug/l	99
69) o-Xylene	12.400	106	65620	20.403	ug/l	99
70) Styrene	12.412	104	112316	20.240	ug/l	98
71) Bromoform	12.576	173	33519	22.064	ug/l #	95
73) Isopropylbenzene	12.694	105	165327	18.547	ug/l	98
74) N-amyl acetate	12.494	43	55908	17.786	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	54300	17.703	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	52408m	18.133	ug/l	
77) Bromobenzene	12.982	156	45733	18.990	ug/l	99
78) n-propylbenzene	13.035	91	195289	19.130	ug/l	99
79) 2-Chlorotoluene	13.123	91	126407	18.533	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	145571	20.048	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	18626	18.804	ug/l	93
82) 4-Chlorotoluene	13.218	91	132025	19.525	ug/l	99
83) tert-Butylbenzene	13.435	119	116079	19.011	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	147725	20.564	ug/l	98
85) sec-Butylbenzene	13.612	105	165313	19.162	ug/l	99
86) p-Isopropyltoluene	13.729	119	140320	19.059	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	84988	18.836	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	83917	18.147	ug/l	98
89) n-Butylbenzene	14.053	91	111155	18.147	ug/l	97
90) Hexachloroethane	14.335	117	29274	17.917	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	79614	18.350	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10877	19.311	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	37343	18.063	ug/l	98
94) Hexachlorobutadiene	15.500	225	23209	18.472	ug/l	94
95) Naphthalene	15.641	128	102561	18.070	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	38643	18.618	ug/l	97

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

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