

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043025\
 Data File : VN086428.D
 Acq On : 30 Apr 2025 11:39
 Operator : JC\MD
 Sample : VN0430WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2025
 Supervised By : Semsettin Yesilyurt 05/05/2025

Quant Time: May 01 01:33:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	217748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	401997	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	363280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	169359	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	160112	50.708	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.420%			
35) Dibromofluoromethane	8.165	113	97617	52.321	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.640%			
50) Toluene-d8	10.565	98	506209	50.767	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.540%			
62) 4-Bromofluorobenzene	12.847	95	185216	50.926	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	47703	18.481	ug/l	96
3) Chloromethane	2.359	50	65712	17.516	ug/l	98
4) Vinyl Chloride	2.512	62	65182	18.208	ug/l	99
5) Bromomethane	2.954	94	35570	22.089	ug/l	97
6) Chloroethane	3.118	64	44224	18.458	ug/l	98
7) Trichlorofluoromethane	3.501	101	75126	18.945	ug/l	99
8) Diethyl Ether	3.959	74	30080	17.376	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	45044	18.777	ug/l	97
10) Methyl Iodide	4.589	142	59173	22.437	ug/l	98
11) Tert butyl alcohol	5.518	59	53587	93.014	ug/l	100
12) 1,1-Dichloroethene	4.336	96	46446	18.123	ug/l	98
13) Acrolein	4.183	56	20258	64.195	ug/l	99
14) Allyl chloride	5.030	41	70813	15.543	ug/l	94
15) Acrylonitrile	5.718	53	130410	91.568	ug/l	100
16) Acetone	4.424	43	105286	92.855	ug/l	100
17) Carbon Disulfide	4.712	76	127754	16.648	ug/l	96
18) Methyl Acetate	5.030	43	58133	15.338	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	171873	18.244	ug/l	99
20) Methylene Chloride	5.271	84	53413	18.298	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	49748	18.567	ug/l	95
22) Diisopropyl ether	6.665	45	168746	17.026	ug/l	97
23) Vinyl Acetate	6.600	43	621299	89.676	ug/l	99
24) 1,1-Dichloroethane	6.565	63	95265	18.217	ug/l	98
25) 2-Butanone	7.483	43	174056	88.560	ug/l	94
26) 2,2-Dichloropropane	7.489	77	86278	18.427	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	61755	18.570	ug/l	96
28) Bromochloromethane	7.812	49	44773	20.193	ug/l	94
29) Tetrahydrofuran	7.836	42	115710	88.041	ug/l	96
30) Chloroform	7.965	83	95850	18.659	ug/l	100
31) Cyclohexane	8.259	56	90885	17.761	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	84100	19.138	ug/l	96
36) 1,1-Dichloropropene	8.371	75	68099	18.274	ug/l	98
37) Ethyl Acetate	7.559	43	71749	18.288	ug/l	99
38) Carbon Tetrachloride	8.359	117	70304	19.811	ug/l	99
39) Methylcyclohexane	9.594	83	82015	18.516	ug/l	97
40) Benzene	8.600	78	226043	18.932	ug/l	99

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41) Methacrylonitrile	7.777	41	40641	17.874	ug/l	98
42) 1,2-Dichloroethane	8.671	62	74454	19.555	ug/l	99
43) Isopropyl Acetate	8.688	43	134649	17.661	ug/l	98
44) Trichloroethene	9.347	130	55093	19.468	ug/l	90
45) 1,2-Dichloropropane	9.618	63	54265	18.567	ug/l	99
46) Dibromomethane	9.706	93	37215	19.985	ug/l	97
47) Bromodichloromethane	9.882	83	77692	19.318	ug/l	95
48) Methyl methacrylate	9.677	41	59815	17.362	ug/l	96
49) 1,4-Dioxane	9.688	88	23582	402.402	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	373077	92.865	ug/l	98
52) Toluene	10.629	92	144080	19.340	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	84082	18.729	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	90917	18.438	ug/l	100
55) 1,1,2-Trichloroethane	11.018	97	52698	19.661	ug/l	96
56) Ethyl methacrylate	10.871	69	89029	18.070	ug/l	97
57) 1,3-Dichloropropane	11.159	76	90319	18.992	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	207943	88.921	ug/l	97
59) 2-Hexanone	11.194	43	274166	92.007	ug/l	99
60) Dibromochloromethane	11.359	129	57647	19.586	ug/l	100
61) 1,2-Dibromoethane	11.465	107	53496	19.780	ug/l	99
64) Tetrachloroethene	11.100	164	54887	19.642	ug/l	97
65) Chlorobenzene	11.888	112	154419	19.047	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	50494	18.880	ug/l	98
67) Ethyl Benzene	11.959	91	275990	18.865	ug/l	100
68) m/p-Xylenes	12.071	106	211174	38.524	ug/l	97
69) o-Xylene	12.394	106	104359	19.251	ug/l	97
70) Styrene	12.406	104	173002	19.153	ug/l	98
71) Bromoform	12.576	173	38785	19.261	ug/l #	98
73) Isopropylbenzene	12.694	105	257244	18.568	ug/l	100
74) N-amyl acetate	12.488	43	113027	16.388	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	74067	18.594	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	73976m	18.510	ug/l	
77) Bromobenzene	12.976	156	60600	19.742	ug/l	93
78) n-propylbenzene	13.035	91	300932	18.434	ug/l	99
79) 2-Chlorotoluene	13.123	91	188460	18.449	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	211192	18.625	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.729	75	33318	20.021	ug/l	88
82) 4-Chlorotoluene	13.218	91	187297	18.457	ug/l	99
83) tert-Butylbenzene	13.435	119	184505	18.779	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	215869	18.703	ug/l	100
85) sec-Butylbenzene	13.612	105	250588	18.388	ug/l	98
86) p-Isopropyltoluene	13.723	119	209125	18.617	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	110774	19.197	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	110474	19.007	ug/l	99
89) n-Butylbenzene	14.053	91	178145	17.892	ug/l	100
90) Hexachloroethane	14.329	117	34327	18.168	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	107537	19.221	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	14734	18.344	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	48783	18.210	ug/l	97
94) Hexachlorobutadiene	15.500	225	18644	18.436	ug/l	97
95) Naphthalene	15.635	128	166958	17.581	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	46834	18.466	ug/l	98

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

