

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043025\
 Data File : VN086429.D
 Acq On : 30 Apr 2025 12:13
 Operator : JC\MD
 Sample : VN0430WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0430WBSD01

Manual Integrations
 APPROVED

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

Quant Time: May 01 01:33:26 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	151281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	282628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114701	52.286	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.580%			
35) Dibromofluoromethane	8.165	113	70748	53.936	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.880%			
50) Toluene-d8	10.565	98	349820	49.900	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.800%			
62) 4-Bromofluorobenzene	12.847	95	126196	49.353	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.700%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	34442	19.206	ug/l	98
3) Chloromethane	2.360	50	48291	18.528	ug/l	100
4) Vinyl Chloride	2.512	62	46135	18.549	ug/l	99
5) Bromomethane	2.965	94	27092	24.216	ug/l	100
6) Chloroethane	3.118	64	31102	18.685	ug/l	99
7) Trichlorofluoromethane	3.501	101	51823	18.811	ug/l	94
8) Diethyl Ether	3.959	74	23611	19.632	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.371	101	32225	19.336	ug/l	98
10) Methyl Iodide	4.589	142	41986	22.914	ug/l	93
11) Tert butyl alcohol	5.512	59	40302	100.689	ug/l	99
12) 1,1-Dichloroethene	4.336	96	32392	18.192	ug/l	98
13) Acrolein	4.183	56	18360	88.632	ug/l	95
14) Allyl chloride	5.024	41	56544	17.864	ug/l	97
15) Acrylonitrile	5.718	53	97305	98.341	ug/l	99
16) Acetone	4.424	43	79907	101.975	ug/l	99
17) Carbon Disulfide	4.712	76	93153	17.472	ug/l	99
18) Methyl Acetate	5.024	43	45505	17.281	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	125925	19.239	ug/l	98
20) Methylene Chloride	5.277	84	40067	19.757	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	35614	19.131	ug/l	94
22) Diisopropyl ether	6.671	45	123754	17.973	ug/l	98
23) Vinyl Acetate	6.600	43	473458	98.362	ug/l	99
24) 1,1-Dichloroethane	6.565	63	67405	18.553	ug/l	98
25) 2-Butanone	7.483	43	131122	96.027	ug/l	95
26) 2,2-Dichloropropane	7.489	77	58822	18.083	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	44219	19.139	ug/l	96
28) Bromochloromethane	7.812	49	34948	22.687	ug/l	92
29) Tetrahydrofuran	7.836	42	86747	95.003	ug/l	96
30) Chloroform	7.965	83	69503	19.475	ug/l	100
31) Cyclohexane	8.259	56	62009	17.442	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	59436	19.468	ug/l	97
36) 1,1-Dichloropropene	8.371	75	48489	18.508	ug/l	98
37) Ethyl Acetate	7.553	43	54015	19.583	ug/l	100
38) Carbon Tetrachloride	8.365	117	48136	19.293	ug/l	95
39) Methylcyclohexane	9.600	83	56653	18.193	ug/l	95
40) Benzene	8.606	78	160621	19.135	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	28193	17.636	ug/l	91
42) 1,2-Dichloroethane	8.671	62	54567	20.385	ug/l	100
43) Isopropyl Acetate	8.683	43	102756	19.351	ug/l	98
44) Trichloroethene	9.347	130	39263	19.734	ug/l	94
45) 1,2-Dichloropropane	9.618	63	39889	19.413	ug/l	100
46) Dibromomethane	9.712	93	27137	20.728	ug/l	94
47) Bromodichloromethane	9.888	83	55936	19.782	ug/l	96
48) Methyl methacrylate	9.677	41	44455	18.353	ug/l	96
49) 1,4-Dioxane	9.688	88	17735	430.446	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	278396	98.566	ug/l	99
52) Toluene	10.630	92	102538	19.577	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	62598	19.832	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	65555	18.909	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	38834	20.607	ug/l	96
56) Ethyl methacrylate	10.871	69	66383	19.164	ug/l	98
57) 1,3-Dichloropropane	11.159	76	67200	20.099	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	139365	84.766	ug/l	97
59) 2-Hexanone	11.194	43	207704	99.143	ug/l	99
60) Dibromochloromethane	11.353	129	41873	20.235	ug/l	96
61) 1,2-Dibromoethane	11.471	107	39656	20.855	ug/l	97
64) Tetrachloroethene	11.100	164	39354	19.751	ug/l	98
65) Chlorobenzene	11.888	112	109603	18.960	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	36545	19.163	ug/l	98
67) Ethyl Benzene	11.959	91	196800	18.866	ug/l	99
68) m/p-Xylenes	12.071	106	148843	38.080	ug/l	99
69) o-Xylene	12.394	106	73733	19.075	ug/l	99
70) Styrene	12.412	104	124591	19.344	ug/l	98
71) Bromoform	12.577	173	28643	19.949	ug/l #	100
73) Isopropylbenzene	12.694	105	181785	18.833	ug/l	99
74) N-amyl acetate	12.488	43	80795	16.814	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	55362	19.948	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	55088m	19.783	ug/l	
77) Bromobenzene	12.977	156	43766	20.464	ug/l	95
78) n-propylbenzene	13.029	91	213629	18.782	ug/l	99
79) 2-Chlorotoluene	13.124	91	134519	18.900	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	150184	19.010	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	21467	18.515	ug/l	97
82) 4-Chlorotoluene	13.218	91	133340	18.860	ug/l	99
83) tert-Butylbenzene	13.435	119	125514	18.336	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	151296	18.814	ug/l	100
85) sec-Butylbenzene	13.612	105	177837	18.730	ug/l	100
86) p-Isopropyltoluene	13.724	119	146794	18.757	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	79216	19.703	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	79389	19.605	ug/l	99
89) n-Butylbenzene	14.053	91	124678	17.973	ug/l	99
90) Hexachloroethane	14.329	117	24403	18.537	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	76719	19.682	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	10637	19.008	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	34110	18.275	ug/l	99
94) Hexachlorobutadiene	15.500	225	12862	18.255	ug/l	99
95) Naphthalene	15.635	128	123102	18.605	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	34008	19.245	ug/l	99

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

