

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032525\
 Data File : VN086106.D
 Acq On : 25 Mar 2025 17:28
 Operator : JC\MD
 Sample : VN0325WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2025
 Supervised By : Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 03:22:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	194343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	321428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	280205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139435	52.395	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.800%			
35) Dibromofluoromethane	8.165	113	115231	51.362	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.720%			
50) Toluene-d8	10.565	98	430988	52.931	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.860%			
62) 4-Bromofluorobenzene	12.847	95	146790	50.550	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	45273	17.584	ug/l	94
3) Chloromethane	2.359	50	43839	19.422	ug/l	96
4) Vinyl Chloride	2.512	62	46758	20.260	ug/l	97
5) Bromomethane	2.959	94	28536	18.152	ug/l	90
6) Chloroethane	3.118	64	29005	19.922	ug/l	96
7) Trichlorofluoromethane	3.501	101	74092	17.859	ug/l	97
8) Diethyl Ether	3.965	74	22726	17.893	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	42410	19.234	ug/l	96
10) Methyl Iodide	4.589	142	53138	18.495	ug/l	92
11) Tert butyl alcohol	5.512	59	27645	73.371	ug/l	99
12) 1,1-Dichloroethene	4.342	96	38276	19.224	ug/l	92
13) Acrolein	4.177	56	31196	77.628	ug/l	94
14) Allyl chloride	5.024	41	44521	17.924	ug/l	98
15) Acrylonitrile	5.712	53	93163	93.624	ug/l	99
16) Acetone	4.424	43	68966	84.826	ug/l	95
17) Carbon Disulfide	4.712	76	109854	16.777	ug/l	100
18) Methyl Acetate	5.018	43	42517	21.136	ug/l	97
19) Methyl tert-butyl Ether	5.795	73	117524	18.013	ug/l	97
20) Methylene Chloride	5.277	84	45867	19.284	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	41384	19.019	ug/l	92
22) Diisopropyl ether	6.671	45	113703	21.481	ug/l	96
23) Vinyl Acetate	6.600	43	385176	95.992	ug/l	97
24) 1,1-Dichloroethane	6.565	63	78646	20.205	ug/l	99
25) 2-Butanone	7.483	43	102788	87.617	ug/l	92
26) 2,2-Dichloropropane	7.489	77	60514	16.148	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	47010	19.012	ug/l	98
28) Bromochloromethane	7.812	49	34646	21.009	ug/l	95
29) Tetrahydrofuran	7.841	42	69591	96.086	ug/l	94
30) Chloroform	7.959	83	84967	19.749	ug/l	100
31) Cyclohexane	8.253	56	63270	19.081	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	77454	19.018	ug/l	97
36) 1,1-Dichloropropene	8.371	75	56101	18.990	ug/l	99
37) Ethyl Acetate	7.559	43	46507	18.661	ug/l	97
38) Carbon Tetrachloride	8.359	117	70363	18.115	ug/l	97
39) Methylcyclohexane	9.600	83	50431	17.206	ug/l	96
40) Benzene	8.600	78	180463	19.459	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	22786	19.147	ug/l	97
42) 1,2-Dichloroethane	8.665	62	59622	18.451	ug/l	100
43) Isopropyl Acetate	8.683	43	108436	20.079	ug/l #	85
44) Trichloroethene	9.353	130	42112	17.521	ug/l	97
45) 1,2-Dichloropropane	9.618	63	42003	19.913	ug/l	96
46) Dibromomethane	9.700	93	31421	18.942	ug/l	99
47) Bromodichloromethane	9.883	83	65943	19.021	ug/l	96
48) Methyl methacrylate	9.677	41	31840	17.866	ug/l	99
49) 1,4-Dioxane	9.688	88	14495	344.062	ug/l #	91
51) 4-Methyl-2-Pentanone	10.441	43	228174	95.800	ug/l	96
52) Toluene	10.624	92	111651	19.616	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	59568	17.692	ug/l	96
54) cis-1,3-Dichloropropene	10.306	75	67138	18.900	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	42971	19.780	ug/l	97
56) Ethyl methacrylate	10.871	69	55521	18.810	ug/l	95
57) 1,3-Dichloropropane	11.159	76	70459	19.095	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	117009	103.990	ug/l	97
59) 2-Hexanone	11.194	43	161319	92.973	ug/l	94
60) Dibromochloromethane	11.353	129	52431	18.703	ug/l	97
61) 1,2-Dibromoethane	11.465	107	41593	18.649	ug/l	96
64) Tetrachloroethene	11.100	164	37829	16.924	ug/l	96
65) Chlorobenzene	11.888	112	119831	18.689	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	46387	19.462	ug/l	99
67) Ethyl Benzene	11.959	91	191762	18.697	ug/l	99
68) m/p-Xylenes	12.071	106	157672	39.112	ug/l	98
69) o-Xylene	12.394	106	72073	19.479	ug/l	98
70) Styrene	12.406	104	122252	19.345	ug/l	99
71) Bromoform	12.576	173	35256	17.694	ug/l #	96
73) Isopropylbenzene	12.694	105	173790	18.050	ug/l	98
74) N-amyl acetate	12.494	43	61080	18.961	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	62398	19.156	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	61314m	19.424	ug/l	
77) Bromobenzene	12.976	156	49148	18.307	ug/l	99
78) n-propylbenzene	13.029	91	210798	19.335	ug/l	97
79) 2-Chlorotoluene	13.123	91	138563	19.134	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	157160	19.333	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	22122	18.529	ug/l	90
82) 4-Chlorotoluene	13.218	91	140854	18.914	ug/l	99
83) tert-Butylbenzene	13.435	119	122205	17.577	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	156199	19.051	ug/l	100
85) sec-Butylbenzene	13.612	105	171180	18.874	ug/l	99
86) p-Isopropyltoluene	13.729	119	140160	18.256	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	88113	18.208	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	88942	17.493	ug/l	99
89) n-Butylbenzene	14.053	91	104989	16.793	ug/l	99
90) Hexachloroethane	14.335	117	31043	17.523	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	85902	17.857	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11135	17.125	ug/l	88
93) 1,2,4-Trichlorobenzene	15.388	180	36358	15.031	ug/l	99
94) Hexachlorobutadiene	15.494	225	19709	14.044	ug/l	96
95) Naphthalene	15.641	128	92262	13.172	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	35554	15.490	ug/l	98

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

