

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032825\
 Data File : VN086143.D
 Acq On : 28 Mar 2025 12:07
 Operator : JC\MD
 Sample : VN0328WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0328WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/31/2025
 Supervised By : Mahesh Dadoda 03/31/2025

Quant Time: Mar 28 23:37:47 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	8.224	168	239264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	387346	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	347341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	178334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	166924	50.948	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.900%			
35) Dibromofluoromethane	8.165	113	142340	52.648	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.300%			
50) Toluene-d8	10.565	98	537648	54.793	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.580%			
62) 4-Bromofluorobenzene	12.847	95	181055	51.739	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.480%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	53703	16.942	ug/l	96
3) Chloromethane	2.359	50	53907	19.398	ug/l	98
4) Vinyl Chloride	2.512	62	58747	20.676	ug/l	96
5) Bromomethane	2.959	94	37652	19.454	ug/l	96
6) Chloroethane	3.118	64	37326	20.824	ug/l	95
7) Trichlorofluoromethane	3.500	101	92695	18.148	ug/l	95
8) Diethyl Ether	3.965	74	28979	18.533	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	53496	19.706	ug/l	97
10) Methyl Iodide	4.589	142	65984	18.654	ug/l	99
11) Tert butyl alcohol	5.518	59	37271	80.348	ug/l #	91
12) 1,1-Dichloroethene	4.336	96	47633	19.432	ug/l	95
13) Acrolein	4.183	56	34850	70.439	ug/l	95
14) Allyl chloride	5.024	41	57553	18.820	ug/l	95
15) Acrylonitrile	5.718	53	117970	96.296	ug/l	98
16) Acetone	4.424	43	89137	89.052	ug/l	94
17) Carbon Disulfide	4.712	76	134113	16.636	ug/l	97
18) Methyl Acetate	5.024	43	55443	22.387	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	147757	18.395	ug/l	97
20) Methylene Chloride	5.271	84	57867	19.762	ug/l	98
21) trans-1,2-Dichloroethene	5.789	96	51475	19.215	ug/l	98
22) Diisopropyl ether	6.671	45	145319	22.299	ug/l	98
23) Vinyl Acetate	6.606	43	482504	97.671	ug/l	99
24) 1,1-Dichloroethane	6.571	63	96932	20.228	ug/l	97
25) 2-Butanone	7.482	43	136294	94.366	ug/l	100
26) 2,2-Dichloropropane	7.488	77	86236	18.692	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	58713	19.287	ug/l	96
28) Bromochloromethane	7.806	49	40303	19.851	ug/l	96
29) Tetrahydrofuran	7.841	42	93684	105.066	ug/l	94
30) Chloroform	7.965	83	106081	20.027	ug/l	99
31) Cyclohexane	8.259	56	79518	19.478	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	95903	19.127	ug/l	98
36) 1,1-Dichloropropene	8.371	75	67485	18.956	ug/l	98
37) Ethyl Acetate	7.559	43	60763	20.232	ug/l	97
38) Carbon Tetrachloride	8.359	117	89256	19.068	ug/l	97
39) Methylcyclohexane	9.600	83	62612	17.727	ug/l	95
40) Benzene	8.606	78	226337	20.253	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	28918	20.164	ug/l	97
42) 1,2-Dichloroethane	8.671	62	74133	19.037	ug/l	97
43) Isopropyl Acetate	8.688	43	100676	15.469	ug/l	97
44) Trichloroethene	9.347	130	53703	18.541	ug/l	99
45) 1,2-Dichloropropane	9.618	63	53884	21.199	ug/l	97
46) Dibromomethane	9.706	93	39653	19.836	ug/l	99
47) Bromodichloromethane	9.882	83	84083	20.126	ug/l	98
48) Methyl methacrylate	9.676	41	43554	20.280	ug/l	96
49) 1,4-Dioxane	9.694	88	20236	398.591	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	300347	104.642	ug/l	97
52) Toluene	10.629	92	142366	20.756	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	77526	19.108	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	87743	20.497	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	55943	21.369	ug/l	96
56) Ethyl methacrylate	10.871	69	71289	19.930	ug/l	97
57) 1,3-Dichloropropane	11.159	76	88423	19.886	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	147179	108.017	ug/l	98
59) 2-Hexanone	11.194	43	212621	101.686	ug/l	95
60) Dibromochloromethane	11.359	129	66962	19.822	ug/l	97
61) 1,2-Dibromoethane	11.465	107	52683	19.602	ug/l	96
64) Tetrachloroethene	11.100	164	55906	20.177	ug/l	98
65) Chlorobenzene	11.888	112	152763	19.220	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	57418	19.433	ug/l	96
67) Ethyl Benzene	11.965	91	247677	19.481	ug/l	97
68) m/p-Xylenes	12.070	106	202723	40.568	ug/l	96
69) o-Xylene	12.400	106	91701	19.994	ug/l	97
70) Styrene	12.412	104	156977	20.038	ug/l	97
71) Bromoform	12.576	173	46324	18.755	ug/l #	99
73) Isopropylbenzene	12.694	105	228983	18.803	ug/l	98
74) N-amyl acetate	12.494	43	78177	19.187	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	77481	18.806	ug/l	97
76) 1,2,3-Trichloropropane	12.988	75	71467m	17.900	ug/l	
77) Bromobenzene	12.976	156	63200	18.612	ug/l	99
78) n-propylbenzene	13.035	91	270846	19.641	ug/l	99
79) 2-Chlorotoluene	13.123	91	175303	19.139	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	200388	19.489	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	25977	17.202	ug/l	88
82) 4-Chlorotoluene	13.217	91	180075	19.118	ug/l	99
83) tert-Butylbenzene	13.435	119	160550	18.257	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	203809	19.653	ug/l	100
85) sec-Butylbenzene	13.612	105	225569	19.663	ug/l	99
86) p-Isopropyltoluene	13.729	119	183923	18.940	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	117095	19.130	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	114724	17.839	ug/l	100
89) n-Butylbenzene	14.053	91	139625	17.656	ug/l	98
90) Hexachloroethane	14.335	117	39502	17.629	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	113644	18.677	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13801	16.781	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	47341	15.473	ug/l	97
94) Hexachlorobutadiene	15.500	225	27945	15.743	ug/l	99
95) Naphthalene	15.641	128	126634	14.294	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	47837	16.478	ug/l	98

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

