

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033125\
 Data File : VN086172.D
 Acq On : 31 Mar 2025 16:04
 Operator : JC\MD
 Sample : VN0331WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0331WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/01/2025
 Supervised By : Mahesh Dadoda 04/01/2025

Quant Time: Apr 01 01:37:07 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	231058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	374245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	337654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	171493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154297	48.767	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.540%		
35) Dibromofluoromethane	8.165	113	131431	50.315	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.620%		
50) Toluene-d8	10.565	98	488462	51.523	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.040%		
62) 4-Bromofluorobenzene	12.847	95	167562	49.560	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	53595	17.508	ug/l	100
3) Chloromethane	2.359	50	41789	15.572	ug/l	97
4) Vinyl Chloride	2.512	62	43880	15.992	ug/l	98
5) Bromomethane	2.953	94	30694	16.422	ug/l	95
6) Chloroethane	3.118	64	28384	16.397	ug/l	92
7) Trichlorofluoromethane	3.495	101	82421	16.710	ug/l	98
8) Diethyl Ether	3.965	74	25302	16.756	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.365	101	47209	18.008	ug/l	97
10) Methyl Iodide	4.589	142	57692	16.889	ug/l	99
11) Tert butyl alcohol	5.518	59	31223	69.700	ug/l #	89
12) 1,1-Dichloroethene	4.342	96	41531	17.544	ug/l	99
13) Acrolein	4.171	56	37824	79.165	ug/l	96
14) Allyl chloride	5.018	41	51006	17.272	ug/l	95
15) Acrylonitrile	5.718	53	103291	87.308	ug/l	100
16) Acetone	4.424	43	74616	77.192	ug/l	98
17) Carbon Disulfide	4.712	76	131008	16.828	ug/l	97
18) Methyl Acetate	5.030	43	41394	17.308	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	126924	16.363	ug/l	98
20) Methylene Chloride	5.271	84	52484	18.560	ug/l	95
21) trans-1,2-Dichloroethene	5.789	96	45488	17.583	ug/l	94
22) Diisopropyl ether	6.671	45	120549	19.155	ug/l	97
23) Vinyl Acetate	6.600	43	419326	87.897	ug/l	98
24) 1,1-Dichloroethane	6.565	63	83820	18.113	ug/l	96
25) 2-Butanone	7.483	43	114093	81.800	ug/l	96
26) 2,2-Dichloropropane	7.488	77	72728	16.324	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	49959	16.994	ug/l	96
28) Bromochloromethane	7.812	49	42255	21.551	ug/l	95
29) Tetrahydrofuran	7.835	42	77940	90.514	ug/l	94
30) Chloroform	7.959	83	89143	17.427	ug/l	100
31) Cyclohexane	8.253	56	69752	17.693	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	81330	16.797	ug/l	97
36) 1,1-Dichloropropene	8.371	75	59825	17.393	ug/l	98
37) Ethyl Acetate	7.559	43	48826	16.826	ug/l	98
38) Carbon Tetrachloride	8.359	117	75043	16.593	ug/l	97
39) Methylcyclohexane	9.600	83	55540	16.275	ug/l	96
40) Benzene	8.600	78	190823	17.673	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	23873	17.229	ug/l	99
42) 1,2-Dichloroethane	8.665	62	63363	16.841	ug/l	100
43) Isopropyl Acetate	8.682	43	87037	13.842	ug/l	96
44) Trichloroethene	9.347	130	45922	16.409	ug/l	96
45) 1,2-Dichloropropane	9.618	63	46317	18.860	ug/l	97
46) Dibromomethane	9.706	93	34120	17.666	ug/l	97
47) Bromodichloromethane	9.888	83	69613	17.246	ug/l	99
48) Methyl methacrylate	9.682	41	34297	16.529	ug/l	98
49) 1,4-Dioxane	9.694	88	16898	344.494	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	251711	90.767	ug/l	96
52) Toluene	10.629	92	122468	18.480	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	66133	16.870	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	72851	17.614	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	45854	18.128	ug/l	97
56) Ethyl methacrylate	10.871	69	60354	17.665	ug/l	99
57) 1,3-Dichloropropane	11.159	76	76703	17.854	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	157461	118.201	ug/l	98
59) 2-Hexanone	11.194	43	178810	88.510	ug/l	95
60) Dibromochloromethane	11.359	129	56864	17.422	ug/l	100
61) 1,2-Dibromoethane	11.465	107	45450	17.503	ug/l	100
64) Tetrachloroethene	11.100	164	46091	17.112	ug/l	99
65) Chlorobenzene	11.888	112	130674	16.913	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	49871	17.363	ug/l	99
67) Ethyl Benzene	11.959	91	207085	16.755	ug/l	99
68) m/p-Xylenes	12.071	106	170387	35.075	ug/l	98
69) o-Xylene	12.394	106	76240	17.100	ug/l	98
70) Styrene	12.412	104	132664	17.421	ug/l	98
71) Bromoform	12.576	173	39341	16.385	ug/l #	98
73) Isopropylbenzene	12.694	105	187890	16.044	ug/l	98
74) N-amyl acetate	12.494	43	65679	16.763	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	64278	16.224	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	61731m	16.078	ug/l	
77) Bromobenzene	12.976	156	52696	16.137	ug/l	99
78) n-propylbenzene	13.035	91	223945	16.887	ug/l	100
79) 2-Chlorotoluene	13.123	91	144506	16.406	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	168065	16.998	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	24118	16.608	ug/l	91
82) 4-Chlorotoluene	13.217	91	149375	16.491	ug/l	98
83) tert-Butylbenzene	13.435	119	131050	15.497	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	165553	16.601	ug/l	98
85) sec-Butylbenzene	13.612	105	183528	16.637	ug/l	100
86) p-Isopropyltoluene	13.729	119	151974	16.274	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	98692	16.767	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	95087	15.376	ug/l	99
89) n-Butylbenzene	14.053	91	115279	15.159	ug/l	97
90) Hexachloroethane	14.329	117	33456	15.527	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	90624	15.488	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11784	14.900	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	38858	13.207	ug/l	98
94) Hexachlorobutadiene	15.500	225	23056	13.507	ug/l	100
95) Naphthalene	15.641	128	103632	12.164	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	40081	14.357	ug/l	97

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

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