

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086278.D
 Acq On : 15 Apr 2025 12:21
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Apr 16 03:55:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	234470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	436245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	375851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	167796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	17487	5.143	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.280%#		
35) Dibromofluoromethane	8.171	113	11660	5.759	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.520%#		
50) Toluene-d8	10.565	98	54403	5.028	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.060%#		
62) 4-Bromofluorobenzene	12.847	95	20034	5.076	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.160%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	13162	4.735	ug/l	95
3) Chloromethane	2.359	50	21191	5.246	ug/l	96
4) Vinyl Chloride	2.512	62	19342	5.018	ug/l	99
5) Bromomethane	2.948	94	8981	5.180	ug/l	91
6) Chloroethane	3.112	64	13592	5.268	ug/l	98
7) Trichlorofluoromethane	3.495	101	22304	5.223	ug/l	92
8) Diethyl Ether	3.959	74	9862	5.291	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	13633	5.278	ug/l	99
10) Methyl Iodide	4.589	142	14033	4.941	ug/l	94
11) Tert butyl alcohol	5.518	59	16966	27.348	ug/l #	88
12) 1,1-Dichloroethene	4.342	96	14583	5.284	ug/l	94
13) Acrolein	4.177	56	14133	35.938	ug/l	91
14) Allyl chloride	5.018	41	25369	5.174	ug/l	98
15) Acrylonitrile	5.712	53	40960	26.709	ug/l	99
16) Acetone	4.430	43	33298	23.124	ug/l	100
17) Carbon Disulfide	4.712	76	43706	5.289	ug/l	98
18) Methyl Acetate	5.024	43	21384	5.239	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	53138	5.238	ug/l	92
20) Methylene Chloride	5.277	84	16566	5.270	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	15380	5.331	ug/l	98
22) Diisopropyl ether	6.665	45	55913	5.239	ug/l #	98
23) Vinyl Acetate	6.600	43	205955m	27.614	ug/l	
24) 1,1-Dichloroethane	6.559	63	29865	5.304	ug/l	99
25) 2-Butanone	7.483	43	55470	26.210	ug/l	100
26) 2,2-Dichloropropane	7.488	77	27048	5.365	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	18982	5.301	ug/l	97
28) Bromochloromethane	7.806	49	14246	5.967	ug/l	95
29) Tetrahydrofuran	7.841	42	37437	26.453	ug/l	99
30) Chloroform	7.965	83	28901	5.225	ug/l	98
31) Cyclohexane	8.253	56	33730	6.122	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	25387	5.365	ug/l	89
36) 1,1-Dichloropropene	8.371	75	21310	5.270	ug/l	100
37) Ethyl Acetate	7.559	43	22206	5.216	ug/l	99
38) Carbon Tetrachloride	8.359	117	20544	5.335	ug/l	92
39) Methylcyclohexane	9.594	83	25242	5.251	ug/l	99
40) Benzene	8.600	78	67406	5.202	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	12454	5.047	ug/l	95
42) 1,2-Dichloroethane	8.671	62	21638	5.237	ug/l	100
43) Isopropyl Acetate	8.682	43	55105	5.444	ug/l #	90
44) Trichloroethene	9.353	130	15562	5.067	ug/l	95
45) 1,2-Dichloropropane	9.618	63	16719	5.272	ug/l	94
46) Dibromomethane	9.706	93	10633	5.262	ug/l	97
47) Bromodichloromethane	9.888	83	23118	5.297	ug/l	95
48) Methyl methacrylate	9.682	41	19018	5.087	ug/l	98
49) 1,4-Dioxane	9.688	88	6722	105.699	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	113773	26.097	ug/l	100
52) Toluene	10.624	92	42032	5.199	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	25020	5.136	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	27737	5.183	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	15559	5.349	ug/l	98
56) Ethyl methacrylate	10.871	69	28102	5.256	ug/l	97
57) 1,3-Dichloropropane	11.159	76	26905	5.213	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	77113	30.387	ug/l	100
59) 2-Hexanone	11.194	43	84443	26.113	ug/l	99
60) Dibromochloromethane	11.359	129	16611	5.201	ug/l	100
61) 1,2-Dibromoethane	11.471	107	14929	5.087	ug/l	97
64) Tetrachloroethene	11.100	164	14998	5.188	ug/l	96
65) Chlorobenzene	11.888	112	44164	5.265	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	14896	5.383	ug/l	98
67) Ethyl Benzene	11.959	91	79376	5.244	ug/l	97
68) m/p-Xylenes	12.071	106	59758	10.537	ug/l	99
69) o-Xylene	12.394	106	29751	5.305	ug/l	98
70) Styrene	12.406	104	48407	5.180	ug/l	99
71) Bromoform	12.576	173	11065	5.311	ug/l #	97
73) Isopropylbenzene	12.694	105	71658	5.221	ug/l	100
74) N-amyl acetate	12.488	43	35409	5.182	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	21720	5.503	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	19196m	4.870	ug/l	
77) Bromobenzene	12.976	156	15681	5.156	ug/l	93
78) n-propylbenzene	13.035	91	85101	5.261	ug/l	99
79) 2-Chlorotoluene	13.123	91	54490	5.384	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	59035	5.255	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	8832m	5.357	ug/l	
82) 4-Chlorotoluene	13.217	91	52887	5.260	ug/l	99
83) tert-Butylbenzene	13.435	119	51302	5.270	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	61145	5.347	ug/l	98
85) sec-Butylbenzene	13.612	105	72305	5.355	ug/l	99
86) p-Isopropyltoluene	13.723	119	58514	5.258	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	30570	5.347	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	30447	5.287	ug/l	94
89) n-Butylbenzene	14.053	91	50562	5.126	ug/l	99
90) Hexachloroethane	14.329	117	9832	5.252	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	30546	5.511	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	4593	5.772	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	14506	5.465	ug/l	99
94) Hexachlorobutadiene	15.500	225	5680	5.669	ug/l	97
95) Naphthalene	15.641	128	49586	5.270	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	13599	5.412	ug/l	99

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

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