

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
 Data File : VN087071.D
 Acq On : 17 Jun 2025 19:22
 Operator : JC\MD
 Sample : Q2299-04MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT191D1-20250609MSD

Quant Time: Jun 18 01:54:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	155511	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	281890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	247636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	88647	42.575	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.160%		
35) Dibromofluoromethane	8.177	113	77612	46.459	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.920%		
50) Toluene-d8	10.565	98	286700	43.352	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	86.700%		
62) 4-Bromofluorobenzene	12.847	95	109060	44.387	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	88.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	82063	52.925	ug/l	96
3) Chloromethane	2.395	50	89734	44.817	ug/l	97
4) Vinyl Chloride	2.553	62	115091	55.723	ug/l	100
5) Bromomethane	2.995	94	56895	49.224	ug/l	100
6) Chloroethane	3.153	64	72334	54.218	ug/l	99
7) Trichlorofluoromethane	3.530	101	144122	53.407	ug/l	98
8) Diethyl Ether	3.989	74	60949	51.838	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.400	101	89795	52.964	ug/l	99
10) Methyl Iodide	4.618	142	67952	30.918	ug/l #	96
11) Tert butyl alcohol	5.536	59	133559	236.403	ug/l	100
12) 1,1-Dichloroethene	4.371	96	93503	54.020	ug/l	94
13) Acrolein	4.200	56	71693	400.899	ug/l	99
14) Allyl chloride	5.047	41	130638	45.509	ug/l	95
15) Acrylonitrile	5.736	53	321940	243.798	ug/l	99
16) Acetone	4.442	43	244803	221.709	ug/l	100
17) Carbon Disulfide	4.741	76	266020	55.562	ug/l	99
18) Methyl Acetate	5.047	43	119450	37.123	ug/l	97
19) Methyl tert-butyl Ether	5.818	73	313732	50.060	ug/l	100
20) Methylene Chloride	5.294	84	104051	50.334	ug/l	94
21) trans-1,2-Dichloroethene	5.806	96	99702	51.773	ug/l	93
22) Diisopropyl ether	6.688	45	289352	47.819	ug/l	97
23) Vinyl Acetate	6.618	43	1164853	227.850	ug/l	97
24) 1,1-Dichloroethane	6.588	63	178839	51.358	ug/l	99
25) 2-Butanone	7.494	43	407627	227.117	ug/l	97
26) 2,2-Dichloropropane	7.500	77	124213	45.857	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	120439	52.294	ug/l	96
28) Bromochloromethane	7.824	49	74604	43.574	ug/l	93
29) Tetrahydrofuran	7.847	42	268741	229.855	ug/l	95
30) Chloroform	7.977	83	178539	51.341	ug/l	98
31) Cyclohexane	8.265	56	150648	44.610	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	147971	50.029	ug/l	99
36) 1,1-Dichloropropene	8.382	75	128759	51.725	ug/l	99
37) Ethyl Acetate	7.571	43	135617	42.797	ug/l	97
38) Carbon Tetrachloride	8.371	117	126518	51.769	ug/l	98
39) Methylcyclohexane	9.606	83	141342	41.444	ug/l	96
40) Benzene	8.612	78	420958	51.715	ug/l	99

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41) Methacrylonitrile	7.788	41	79500	44.672	ug/l	92
42) 1,2-Dichloroethane	8.677	62	124565	50.453	ug/l	100
43) Isopropyl Acetate	8.694	43	224875	44.214	ug/l	96
44) Trichloroethene	9.359	130	130524	67.624	ug/l	99
45) 1,2-Dichloropropane	9.624	63	100885	50.943	ug/l	98
46) Dibromomethane	9.712	93	69631	52.936	ug/l	98
47) Bromodichloromethane	9.888	83	138481	51.169	ug/l	100
48) Methyl methacrylate	9.682	41	107353	45.859	ug/l	96
49) 1,4-Dioxane	9.700	88	44203	1037.957	ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	733862	239.680	ug/l	97
52) Toluene	10.629	92	259142	52.093	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	152953	50.542	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	162000	50.031	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	99442	51.952	ug/l	97
56) Ethyl methacrylate	10.882	69	162430	53.277	ug/l	92
57) 1,3-Dichloropropane	11.165	76	168661	50.794	ug/l	99
59) 2-Hexanone	11.200	43	482966	244.883	ug/l	92
60) Dibromochloromethane	11.359	129	106978	53.642	ug/l	100
61) 1,2-Dibromoethane	11.470	107	101626	51.798	ug/l	98
64) Tetrachloroethene	11.106	164	76671	48.922	ug/l	98
65) Chlorobenzene	11.894	112	284105	52.018	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	91349	52.031	ug/l	98
67) Ethyl Benzene	11.965	91	468336	49.782	ug/l	99
68) m/p-Xylenes	12.070	106	373733	103.778	ug/l	97
69) o-Xylene	12.394	106	180810	52.423	ug/l	97
70) Styrene	12.412	104	307610	52.120	ug/l	99
71) Bromoform	12.576	173	70995	54.576	ug/l #	99
73) Isopropylbenzene	12.694	105	435200	48.488	ug/l	99
74) N-amyl acetate	12.517	43	150028m	47.835	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	156580	51.495	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	148000m	50.537	ug/l	
77) Bromobenzene	12.976	156	109574	53.234	ug/l	94
78) n-propylbenzene	13.035	91	510687	46.820	ug/l	98
79) 2-Chlorotoluene	13.123	91	313811	47.974	ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	357918	48.301	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	54168	42.578	ug/l	98
82) 4-Chlorotoluene	13.223	91	326807	49.376	ug/l	98
83) tert-Butylbenzene	13.435	119	299310	44.126	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	359283	48.351	ug/l	99
85) sec-Butylbenzene	13.611	105	424368	43.080	ug/l	99
86) p-Isopropyltoluene	13.729	119	352540	43.295	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	205942	50.853	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	209259	50.682	ug/l	100
89) n-Butylbenzene	14.053	91	303725	38.509	ug/l	99
90) Hexachloroethane	14.329	117	63711	46.159	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	196022	50.381	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	35082	48.244	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	107091	43.103	ug/l	99
94) Hexachlorobutadiene	15.500	225	33799	36.514	ug/l	95
95) Naphthalene	15.635	128	442333	47.831	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	104647	42.393	ug/l	97

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

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