

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031825\
 Data File : VV038728.D
 Acq On : 18 Mar 2025 10:48
 Operator : SY/MD
 Sample : Q1546-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 19 08:13:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 19 08:10:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	361635	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	391724	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	165953	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	161046	44.23	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	88.46%	
7) Chloroethane-d5	1.529	69	139100	45.58	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	91.16%	
11) 1,1-Dichloroethene-d2	2.056	65	72318	44.29	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	88.58%	
21) 2-Butanone-d5	3.786	46	119724	91.29	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	91.29%	
24) Chloroform-d	4.239	84	303872	46.17	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	92.34%	
26) 1,2-Dichloroethane-d4	4.934	65	188168	49.14	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	98.28%	
32) Benzene-d6	4.950	84	587257	47.35	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	94.70%	
36) 1,2-Dichloropropane-d6	5.982	67	197255	49.25	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	98.50%	
41) Toluene-d8	7.236	98	480226	44.57	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	89.14%	
43) trans-1,3-Dichloroprop...	7.548	79	73965	44.81	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	89.62%	
47) 2-Hexanone-d5	8.021	63	75731	91.40	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	106.80%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	229495			
Spiked Amount	50.000	Range 65 - 120	Recovery	=	106.80%	
66) 1,2-Dichlorobenzene-d4	11.551	152	169158			
Spiked Amount	50.000	Range 80 - 120	Recovery	=	106.80%	
Target Compounds						
2) Dichlorodifluoromethane	1.105	85	6604			
3) Chloromethane	1.214	50	9220	2.52	ug/L	95
5) Vinyl chloride	1.281	62	8977	2.37	ug/L #	53
6) Bromomethane	1.484	94	4946	2.49	ug/L	97
8) Chloroethane	1.548	64	5884	2.43	ug/L	96
9) Trichlorofluoromethane	1.712	101	11758	2.44	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	8579	2.97	ug/L #	87
12) 1,1-Dichloroethene	2.063	96	8942m	3.29	ug/L	
13) Acetone	2.108	43	6116	4.75	ug/L	97
14) Carbon disulfide	2.236	76	20319	2.41	ug/L	99
15) Methyl Acetate	2.387	43	6902m	2.68	ug/L	
17) trans-1,2-Dichloroethene	2.693	96	6400	2.24	ug/L	88
18) Methyl tert-butyl Ether	2.703	73	15851	1.97	ug/L #	87
19) 1,1-Dichloroethane	3.111	63	14483	2.41	ug/L	97
20) cis-1,2-Dichloroethene	3.825	96	7114m	2.28	ug/L	
22) 2-Butanone	3.934	43	9411m	6.21	ug/L	
23) Bromochloromethane	4.166	128	3972m	2.37	ug/L	
27) 1,2-Dichloroethane	5.063	62	8768	2.03	ug/L	98
29) Cyclohexane	4.580	56	9552	1.98	ug/L #	85

Submitted by: Marybeth DeBord 03/19/2025
 Reviewed by: John Catione 03/19/2025

APPROVED
 Manual Integrations

MDT-WED-2011-011-5052-05
 Client Sample ID :
 MSVOA_V
 Instrument :

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.513	97	10518	2.10	ug/L #	89
31) Carbon tetrachloride	4.728	117	9842m	2.28	ug/L	
33) Benzene	5.011	78	24485	1.97	ug/L	100
34) Trichloroethene	5.844	95	7978m	2.49	ug/L	
35) Methylcyclohexane	6.043	83	7240	1.54	ug/L #	66
37) 1,2-Dichloropropane	6.104	63	7115	2.05	ug/L #	95
38) Bromodichloromethane	6.439	83	9566	2.10	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	11213m	2.26	ug/L	
40) 4-Methyl-2-pentanone	7.165	43	10136m	3.29	ug/L	
42) Toluene	7.323	91	29812	2.35	ug/L	96
44) trans-1,3-Dichloropropene	7.590	75	9674	2.06	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	7407m	2.27	ug/L	
46) Tetrachloroethene	7.905	164	4750	2.09	ug/L	93
48) 2-Hexanone	8.091	43	12364	5.79	ug/L #	65
49) Dibromochloromethane	8.175	129	7043	2.16	ug/L	98
50) 1,2-Dibromoethane	8.288	107	7086	2.23	ug/L #	99
51) Chlorobenzene	8.812	112	19007	2.19	ug/L	98
52) Ethylbenzene	8.947	91	24106	1.72	ug/L	95
53) m,p-Xylene	9.075	106	7464	1.47	ug/L	93
54) o-Xylene	9.480	106	8125	1.64	ug/L	88
55) Styrene	9.506	104	12239	1.41	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.169	83	11642	2.39	ug/L #	94
59) Bromoform	9.667	173	3741	2.43	ug/L #	92
60) Isopropylbenzene	9.863	105	20862	2.00	ug/L	97
61) 1,2,3-Trichloropropane	10.207	75	7592	2.74	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	15552	1.92	ug/L	96
63) 1,2,4-Trimethylbenzene	10.850	105	15078	1.84	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	11680	Reviewed By: Marybeth DeBodas 03/19/2025 Reviewed By: John Carione 03/19/2025 APPROVED Manual integrations 2.38 ug/L # 90 MDT-WED-2011-011-2025-05 Client Sample ID : MS/MS Instrument :		
65) 1,4-Dichlorobenzene	11.201	146	12938			
67) 1,2-Dichlorobenzene	11.574	146	13724			
68) 1,2-Dibromo-3-chloropr...	12.368	75	2293			
69) 1,3,5-Trichlorobenzene	12.583	180	7676	Reviewed By: Marybeth DeBodas 03/19/2025 Reviewed By: John Carione 03/19/2025 APPROVED Manual integrations 2.38 ug/L # 90 MDT-WED-2011-011-2025-05 Client Sample ID : MS/MS Instrument :		
70) 1,2,4-trichlorobenzene	13.201	180	5337			
71) Naphthalene	13.445	128	16315			
72) 1,2,3-Trichlorobenzene	13.680	180	5768			

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

