

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
 Data File : VV038720.D
 Acq On : 17 Mar 2025 17:06
 Operator : SY/MD
 Sample : Q1546-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 18 08:11:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 17 15:08:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	366591	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	389916	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	165830	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	170241	46.13	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	92.26%	
7) Chloroethane-d5	1.529	69	144709	46.77	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	93.54%	
11) 1,1-Dichloroethene-d2	2.053	65	75198	45.44	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	90.88%	
21) 2-Butanone-d5	3.790	46	112791	84.84	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	84.84%	
24) Chloroform-d	4.240	84	309072	46.32	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	92.64%	
26) 1,2-Dichloroethane-d4	4.934	65	192552	49.60	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	99.20%	
32) Benzene-d6	4.950	84	598428	48.47	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	96.94%	
36) 1,2-Dichloropropane-d6	5.979	67	203437	51.03	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	102.06%	
41) Toluene-d8	7.236	98	503435	46.94	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	93.88%	
43) trans-1,3-Dichloroprop...	7.548	79	76210	46.39	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	92.78%	
47) 2-Hexanone-d5	8.021	63	71301	86.46	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	109.58%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	227004			
Spiked Amount	50.000	Range 65 - 120	Recovery	=	109.58%	
66) 1,2-Dichlorobenzene-d4	11.551	152	173439			
Spiked Amount	50.000	Range 80 - 120	Recovery	=	109.58%	
Target Compounds						
2) Dichlorodifluoromethane	1.108	85	5978	2.47	ug/L	98
3) Chloromethane	1.214	50	9144	2.32	ug/L #	1
5) Vinyl chloride	1.282	62	8941	2.28	ug/L	98
6) Bromomethane	1.484	94	4597	2.25	ug/L	91
8) Chloroethane	1.545	64	5506	2.18	ug/L	99
9) Trichlorofluoromethane	1.709	101	10631	2.84	ug/L #	80
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	8313	2.71	ug/L #	1
12) 1,1-Dichloroethene	2.063	96	7466	4.08	ug/L	94
13) Acetone	2.111	43	5333	2.35	ug/L	98
14) Carbon disulfide	2.237	76	20106	2.03	ug/L	
15) Methyl Acetate	2.391	43	5306m	2.20	ug/L	93
17) trans-1,2-Dichloroethene	2.696	96	6371	1.94	ug/L #	89
18) Methyl tert-butyl Ether	2.700	73	15764	2.19	ug/L	95
19) 1,1-Dichloroethane	3.108	63	13327	2.02	ug/L	81
20) cis-1,2-Dichloroethene	3.818	96	6410	7.00	ug/L	
22) 2-Butanone	3.957	43	10756m	2.24	ug/L	
23) Bromochloromethane	4.162	128	3802m	2.05	ug/L	95
27) 1,2-Dichloroethane	5.056	62	8975	1.85	ug/L #	83
29) Cyclohexane	4.574	56	8854			

Submitted by: Marybeth DeBord 03/18/2025
 Reviewed by: John Cullum 03/18/2025

APPROVED
 Manual Integrations

MDT-MATEB-011-5052-01
 Client Sample # :
 MS/MS
 Instrument :

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.507	97	10575	2.12	ug/L #	80
31) Carbon tetrachloride	4.732	117	9216	2.15	ug/L	94
33) Benzene	5.011	78	24640	1.99	ug/L	100
34) Trichloroethene	5.838	95	7008m	2.20	ug/L	
35) Methylcyclohexane	6.040	83	7760	1.66	ug/L	89
37) 1,2-Dichloropropane	6.098	63	6365	1.84	ug/L #	96
38) Bromodichloromethane	6.439	83	9697	2.13	ug/L	90
39) cis-1,3-Dichloropropene	6.966	75	9712	1.97	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	8435	2.75	ug/L #	91
42) Toluene	7.320	91	25575	2.02	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	10069m	2.15	ug/L	
45) 1,1,2-Trichloroethane	7.773	97	6359	1.95	ug/L	92
46) Tetrachloroethene	7.905	164	4756	2.10	ug/L	94
48) 2-Hexanone	8.088	43	11024	5.19	ug/L #	85
49) Dibromochloromethane	8.172	129	7020	2.16	ug/L	99
50) 1,2-Dibromoethane	8.285	107	7027	2.22	ug/L	96
51) Chlorobenzene	8.812	112	18997	2.20	ug/L	94
52) Ethylbenzene	8.947	91	25331	1.81	ug/L	96
53) m,p-Xylene	9.072	106	8491	1.68	ug/L	85
54) o-Xylene	9.477	106	8065	1.64	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.169	83	11260	2.32	ug/L #	96
59) Bromoform	9.667	173	4004m	2.60	ug/L	
60) Isopropylbenzene	9.863	105	20287	1.94	ug/L #	95
61) 1,2,3-Trichloropropane	10.204	75	7717	2.79	ug/L #	85
62) 1,3,5-Trimethylbenzene	10.471	105	15167	1.88	ug/L	95
63) 1,2,4-Trimethylbenzene	10.850	105	14738	1.80	ug/L	94
64) 1,3-Dichlorobenzene	11.120	146	11310	2.24	ug/L	95
65) 1,4-Dichlorobenzene	11.201	146	12523			
67) 1,2-Dichlorobenzene	11.571	146	13903			
68) 1,2-Dibromo-3-chloropr...	12.374	75	2101			
69) 1,3,5-Trichlorobenzene	12.580	180	7309			
70) 1,2,4-trichlorobenzene	13.201	180	5343	2.02	ug/L	98
71) Naphthalene	13.448	128	13027			
72) 1,2,3-Trichlorobenzene	13.677	180	5617			

Substance by : Magesh Dabodra 03/18/2025
 Released by : John Carone 03/18/2025

APPROVED
 Manual integrations

MDT-MATEB-01T-S052-01
 Client Sample ID :
 MS/MS V
 Instrument :

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

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