

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031825\
 Data File : VV038724.D
 Acq On : 18 Mar 2025 09:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 08:10:55 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	5.523	114	346945	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	359160	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	199021	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	167521	47.96	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	95.92%	
7) Chloroethane-d5	1.529	69	141541	48.34	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	96.68%	
11) 1,1-Dichloroethene-d2	2.053	65	75526	48.22	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	96.44%	
21) 2-Butanone-d5	3.780	46	127895	101.65	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	101.65%	
24) Chloroform-d	4.233	84	315121	49.91	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	99.82%	
26) 1,2-Dichloroethane-d4	4.928	65	188619	51.34	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	102.68%	
32) Benzene-d6	4.947	84	610307	53.66	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	107.32%	
36) 1,2-Dichloropropane-d6	5.976	67	197403	53.76	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	107.52%	
41) Toluene-d8	7.230	98	547293	55.40	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	110.80%	
43) trans-1,3-Dichloroprop...	7.542	79	84660	55.94	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	111.88%	
47) 2-Hexanone-d5	8.018	63	82881	109.10	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	109.10%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	232322	51.02	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	102.04%	
66) 1,2-Dichlorobenzene-d4	11.551	152	192313	50.62	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	101.24%	
Target Compounds						
2) Dichlorodifluoromethane	1.105	85	138654	51.55	ug/L	99
3) Chloromethane	1.214	50	180894	51.61	ug/L	98
5) Vinyl chloride	1.282	62	187915	52.51	ug/L	99
6) Bromomethane	1.484	94	100073	51.68	ug/L	100
8) Chloroethane	1.545	64	119838	52.26	ug/L	100
9) Trichlorofluoromethane	1.709	101	241364	52.18	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	144489	51.65	ug/L	93
12) 1,1-Dichloroethene	2.063	96	134484	115.77	ug/L	98
13) Acetone	2.105	43	143145	50.18	ug/L	100
14) Carbon disulfide	2.233	76	405810	51.54	ug/L	97
15) Methyl Acetate	2.365	43	127456	51.81	ug/L	93
16) Methylene chloride	2.439	84	171639	52.55	ug/L	95
17) trans-1,2-Dichloroethene	2.687	96	143999	53.53	ug/L	97
18) Methyl tert-butyl Ether	2.693	73	412458	52.19	ug/L	98
19) 1,1-Dichloroethane	3.101	63	301075	51.81	ug/L	93
20) cis-1,2-Dichloroethene	3.802	96	155234	100.23	ug/L	94
22) 2-Butanone	3.860	43	145715	50.55	ug/L #	80
23) Bromochloromethane	4.134	128	81329	51.66	ug/L	100
25) Chloroform	4.262	83	299050			

Client Sample ID :
 MSVOA_V
 Instrument :

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.027	62	231866	55.88	ug/L	99
29) Cyclohexane	4.568	56	250972	56.78	ug/L	94
30) 1,1,1-Trichloroethane	4.497	97	250460	54.42	ug/L	97
31) Carbon tetrachloride	4.722	117	215074	54.35	ug/L	97
33) Benzene	4.995	78	648045	56.80	ug/L	100
34) Trichloroethene	5.822	95	153537	52.32	ug/L	97
35) Methylcyclohexane	6.040	83	240386	55.82	ug/L	94
37) 1,2-Dichloropropane	6.082	63	176293	55.45	ug/L	99
38) Bromodichloromethane	6.420	83	229793	54.91	ug/L	99
39) cis-1,3-Dichloropropene	6.944	75	262122	57.62	ug/L	100
40) 4-Methyl-2-pentanone	7.146	43	316767	112.24	ug/L	94
42) Toluene	7.304	91	676303	58.09	ug/L	100
44) trans-1,3-Dichloropropene	7.571	75	248677	57.69	ug/L	99
45) 1,1,2-Trichloroethane	7.757	97	162573	54.24	ug/L	98
46) Tetrachloroethene	7.895	164	113585	54.51	ug/L	98
48) 2-Hexanone	8.066	43	236154	120.72	ug/L	91
49) Dibromochloromethane	8.166	129	162795	54.44	ug/L	99
50) 1,2-Dibromoethane	8.272	107	157301	53.92	ug/L	97
51) Chlorobenzene	8.802	112	424843	53.41	ug/L	97
52) Ethylbenzene	8.937	91	723206	56.25	ug/L	99
53) m,p-Xylene	9.063	106	272537	58.38	ug/L	100
54) o-Xylene	9.468	106	258257	56.95	ug/L	98
55) Styrene	9.484	104	483188	60.64	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.165	83	236272	52.94	ug/L	98
59) Bromoform	9.654	173	96314	52.11	ug/L	99
60) Isopropylbenzene	9.857	105	699314	55.86	ug/L	99
61) 1,2,3-Trichloropropane	10.198	75	171612	51.71	ug/L	98
62) 1,3,5-Trimethylbenzene	10.468	105	544860	56.18	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	561780	57.12	ug/L	99
64) 1,3-Dichlorobenzene	11.108	146	327219	53.91	ug/L	98
65) 1,4-Dichlorobenzene	11.198	146	343836	52.84	ug/L	99
67) 1,2-Dichlorobenzene	11.567	146	333461	54.09	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.355	75	38563			
69) 1,3,5-Trichlorobenzene	12.574	180	201562			
70) 1,2,4-trichlorobenzene	13.191	180	170004			
71) Naphthalene	13.432	128	447815	54.32	ug/L	99
72) 1,2,3-Trichlorobenzene	13.670	180	179496	57.61	ug/L	99

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

