

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031725\
 Data File : VV038713.D
 Acq On : 17 Mar 2025 12:55
 Operator : SY/MD
 Sample : VSTD01014
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010214

Quant Time: Mar 17 13:53:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 17 13:51:31 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	358165	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	393310	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	198756	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	38118	12.74	ug/L	0.00
7) Chloroethane-d5	1.529	69	32000	12.69	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.053	65	17167	13.53	ug/L	0.00
21) 2-Butanone-d5	3.825	46	23553m	16.54	ug/L	0.04
24) Chloroform-d	4.249	84	68408	12.56	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.944	65	39375	12.25	ug/L	0.00
32) Benzene-d6	4.957	84	119838	10.58	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.986	67	38448	10.91	ug/L	0.00
41) Toluene-d8	7.239	98	96858	9.45	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	15104	8.86	ug/L	0.02
47) 2-Hexanone-d5	8.037	63	11736	10.91	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.146	84	48680	9.88	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.554	152	36612	9.53	ug/L	0.00
Target Compounds						
2) Dichlorodifluoromethane	1.108	85	32282	9.81	ug/L	100
3) Chloromethane	1.217	50	42113	12.34	ug/L	99
5) Vinyl chloride	1.282	62	42580	12.23	ug/L #	57
6) Bromomethane	1.484	94	22250	10.32	ug/L	96
8) Chloroethane	1.548	64	27837	12.64	ug/L	94
9) Trichlorofluoromethane	1.712	101	55735	12.14	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	32842	12.43	ug/L	93
12) 1,1-Dichloroethene	2.066	96	30445	12.09	ug/L	89
13) Acetone	2.111	43	25919	13.20	ug/L	100
14) Carbon disulfide	2.236	76	94330	11.39	ug/L	100
15) Methyl Acetate	2.378	43	27244	10.72	ug/L	94
16) Methylene chloride	2.442	84	38801	12.77	ug/L	88
17) trans-1,2-Dichloroethene	2.693	96	30301	11.04	ug/L	96
18) Methyl tert-butyl Ether	2.699	73	82513	10.41	ug/L	96
19) 1,1-Dichloroethane	3.108	63	67754	13.46	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	33171	11.49	ug/L	93
22) 2-Butanone	3.915	43	29709m	15.92	ug/L	
23) Bromochloromethane	4.150	128	18761	11.96	ug/L	82
25) Chloroform	4.275	83	67833	12.91	ug/L	98
27) 1,2-Dichloroethane	5.043	62	47383	12.36	ug/L	98
29) Cyclohexane	4.574	56	46513	11.01	ug/L	91
30) 1,1,1-Trichloroethane	4.503	97	56116	11.29	ug/L	97
31) Carbon tetrachloride	4.728	117	47497	10.87	ug/L	98
33) Benzene	5.008	78	133598	11.25	ug/L	100
34) Trichloroethene	5.834	95	33704	10.63	ug/L	96
35) Methylcyclohexane	6.043	83	46107	10.12	ug/L	93
37) 1,2-Dichloropropane	6.092	63	36895	11.95	ug/L #	95
38) Bromodichloromethane	6.429	83	50452	11.78	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	46530	9.71	ug/L	93
40) 4-Methyl-2-pentanone	7.159	43	58225	16.85	ug/L #	89
42) Toluene	7.313	91	129578	10.51	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	43383	9.38	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.767	97	36728	11.47	ug/L	97
46) Tetrachloroethene	7.899	164	24743	10.11	ug/L	96
48) 2-Hexanone	8.082	43	31692	10.99	ug/L #	87
49) Dibromochloromethane	8.172	129	35250	10.67	ug/L	99
50) 1,2-Dibromoethane	8.281	107	33721	9.99	ug/L	99
51) Chlorobenzene	8.809	112	93114	10.99	ug/L	99
52) Ethylbenzene	8.940	91	136292	10.30	ug/L	99
53) m,p-Xylene	9.069	106	48452	9.66	ug/L	98
54) o-Xylene	9.471	106	44774	9.28	ug/L	95
55) Styrene	9.493	104	77004	9.09	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.169	83	52702	10.59	ug/L	99
59) Bromoform	9.661	173	19939	9.33	ug/L #	99
60) Isopropylbenzene	9.860	105	123448	10.16	ug/L	98
61) 1,2,3-Trichloropropane	10.204	75	38141	11.02	ug/L	96
62) 1,3,5-Trimethylbenzene	10.468	105	89376	9.16	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	86394	9.01	ug/L	99
64) 1,3-Dichlorobenzene	11.111	146	65795	10.55	ug/L	97
65) 1,4-Dichlorobenzene	11.201	146	70704	10.66	ug/L	97
67) 1,2-Dichlorobenzene	11.574	146	65933	10.37	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.358	75	8061	8.84	ug/L	97
69) 1,3,5-Trichlorobenzene	12.574	180	39110	9.19	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	29218	8.15	ug/L	97
71) Naphthalene	13.435	128	65157	6.70	ug/L	97
72) 1,2,3-Trichlorobenzene	13.673	180	28055	7.98	ug/L	94

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

