

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012825\
 Data File : VX044740.D
 Acq On : 28 Jan 2025 11:01
 Operator : JC/MD
 Sample : VSTD10064
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100664

Quant Time: Jan 28 11:32:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012825WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 28 11:15:17 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/29/2025
 Supervised By : Mahesh Dadoda 01/30/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	301809	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	258939	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	115027	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	235676	94.452	ug/L	0.00
7) Chloroethane-d5	1.648	69	73428m	95.667	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.294	65	102337	102.067	ug/L	0.00
21) 2-Butanone-d5	4.459	46	177282	141.293	ug/L	0.00
24) Chloroform-d	5.050	84	409900	96.352	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.952	65	242571	91.163	ug/L	0.00
32) Benzene-d6	5.964	84	832150	97.805	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.306	67	263267	97.688	ug/L	0.00
41) Toluene-d8	8.647	98	728199	96.069	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.946	79	126956	94.251	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	153677	195.413	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	319640	97.210	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.317	152	226309	93.589	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	232548	128.156	ug/L	100
3) Chloromethane	1.307	50	260825	111.410	ug/L	99
5) Vinyl chloride	1.374	62	250445	113.750	ug/L	98
6) Bromomethane	1.593	94	65110	118.261	ug/L	99
8) Chloroethane	1.660	64	72461	100.515	ug/L	96
9) Trichlorofluoromethane	1.868	101	270425	123.974	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	211811	120.975	ug/L	98
12) 1,1-Dichloroethene	2.313	96	199880	121.796	ug/L	97
13) Acetone	2.386	43	189312	226.753	ug/L	99
14) Carbon disulfide	2.502	76	596937	115.164	ug/L	98
15) Methyl Acetate	2.703	43	235247	118.004	ug/L	99
16) Methylene chloride	2.782	84	222973	113.159	ug/L	98
17) trans-1,2-Dichloroethene	3.087	96	207071	116.505	ug/L	97
18) Methyl tert-butyl Ether	3.111	73	705187	113.515	ug/L	99
19) 1,1-Dichloroethane	3.605	63	402005	114.632	ug/L	99
20) cis-1,2-Dichloroethene	4.483	96	246095	115.802	ug/L	98
22) 2-Butanone	4.556	43	330682	254.551	ug/L	98
23) Bromochloromethane	4.891	128	117303	113.403	ug/L	98
25) Chloroform	5.086	83	393722	111.894	ug/L	99
27) 1,2-Dichloroethane	6.080	62	298176	111.402	ug/L	99
29) Cyclohexane	5.464	56	409878	124.687	ug/L	98
30) 1,1,1-Trichloroethane	5.373	97	337926	115.007	ug/L	99
31) Carbon tetrachloride	5.672	117	289407	114.223	ug/L	100
33) Benzene	6.031	78	870642	115.897	ug/L	100
34) Trichloroethene	7.117	95	222669	115.578	ug/L	99
35) Methylcyclohexane	7.379	83	381019	117.254	ug/L	99
37) 1,2-Dichloropropane	7.428	63	237240	118.025	ug/L	100
38) Bromodichloromethane	7.818	83	299754	112.840	ug/L	99
39) cis-1,3-Dichloropropene	8.360	75	389117	114.746	ug/L	97
40) 4-Methyl-2-pentanone	8.574	43	608982	236.709	ug/L	100
42) Toluene	8.714	91	889103	114.712	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	349525	113.738	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012825\
 Data File : VX044740.D
 Acq On : 28 Jan 2025 11:01
 Operator : JC/MD
 Sample : VSTD10064
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100664

Manual Integrations
 APPROVED

Reviewed By :John Carlone 01/29/2025
 Supervised By :Mahesh Dadoda 01/30/2025

Quant Time: Jan 28 11:32:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012825WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 28 11:15:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.147	97	215178	110.414	ug/L	99
46) Tetrachloroethene	9.269	164	156626	116.840	ug/L	99
48) 2-Hexanone	9.427	43	455297	247.122	ug/L	99
49) Dibromochloromethane	9.519	129	219763	109.771	ug/L	99
50) 1,2-Dibromoethane	9.604	107	225798	111.977	ug/L	98
51) Chlorobenzene	10.073	112	549610	113.574	ug/L	99
52) Ethylbenzene	10.189	91	973902	115.238	ug/L	99
53) m,p-Xylene	10.299	106	367280	115.798	ug/L	97
54) o-Xylene	10.640	106	354753	112.832	ug/L	97
55) Styrene	10.653	104	591240	114.036	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.207	83	333382	114.091	ug/L	99
59) Bromoform	10.799	173	152807	107.865	ug/L	99
60) Isopropylbenzene	10.957	105	916809	110.740	ug/L	100
61) 1,2,3-Trichloropropane	11.238	75	246638	108.895	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	760262	110.504	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	751644	111.442	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	379947	111.289	ug/L	98
65) 1,4-Dichlorobenzene	12.036	146	377218	112.137	ug/L	100
67) 1,2-Dichlorobenzene	12.335	146	375659	110.429	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.939	75	69435	108.592	ug/L	98
69) 1,3,5-Trichlorobenzene	13.109	180	252738	114.944	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	237170	119.797	ug/L	99
71) Naphthalene	13.774	128	896149	116.553	ug/L	100
72) 1,2,3-Trichlorobenzene	13.957	180	235616	116.179	ug/L	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012825\
Data File : VX044740.D
Acq On : 28 Jan 2025 11:01
Operator : JC/MD
Sample : VSTD10064
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTD100664

Quant Time: Jan 28 11:32:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML012825WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 28 11:15:17 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : John Carlone 01/29/2025
Supervised By : Mahesh Dadoda 01/30/2025

