

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
 Data File : VL041845.D
 Acq On : 07 Jan 2025 14:10
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010725

Quant Time: Jan 08 03:34:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Jan 08 03:26:12 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/09/2025
 Supervised By : Mahesh Dadoda 01/09/2025

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

Internal Standards						
1) Bromochloromethane	2.803	49	92601	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	213759	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	184732	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.396	95	162329	10.260	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.600%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.505	85	143451	9.441	ppbv	100
3) Chlorodifluoromethane	1.483	51	139125	9.583	ppbv	99
4) Chloromethane	1.538	50	60267	9.646	ppbv	95
5) Vinyl Chloride	1.586	62	56034	8.892	ppbv	99
6) Bromomethane	1.674	94	24662	9.136	ppbv	97
7) Chloroethane	1.712	64	22332	9.206	ppbv	100
8) Dichlorotetrafluoroethane	1.560	85	125137	9.546	ppbv	100
9) Propene	1.489	41	50222	9.937	ppbv	100
10) Heptane	5.014	43	147223	11.792	ppbv	99
11) Trichlorofluoromethane	1.887	101	145924	9.445	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.149	101	110289	9.585	ppbv	99
13) Ethanol	1.729	45	3821m	5.755	ppbv	
14) Bromoethene	1.790	108	36353	9.651	ppbv	97
15) Acetone	1.845	43	135381	7.941	ppbv	98
16) 1,3-Butadiene	1.615	39	63555	9.507	ppbv	100
17) tert-Butyl alcohol	2.052	59	145313	9.837	ppbv	99
18) 1,1-Dichloroethene	2.046	96	46435	9.639	ppbv	100
19) Isopropyl Alcohol	1.894	45	69422	8.675	ppbv	100
20) Methylene Chloride	2.072	84	41389	8.492	ppbv	97
21) Allyl Chloride	2.107	41	88763	10.107	ppbv	99
22) trans-1,2-Dichloroethene	2.353	96	51425	9.551	ppbv	94
23) Vinyl Acetate	2.476	43	49964	9.423	ppbv	97
24) 1,1-Dichloroethane	2.421	63	112770	9.570	ppbv	98
25) Ethyl Acetate	2.852	43	306986	10.738	ppbv	99
26) Hexane	2.842	57	111357	11.223	ppbv	99
27) Carbon Disulfide	2.162	76	105565	11.210	ppbv	96
28) Methyl tert-Butyl Ether	2.454	73	77901	10.417	ppbv	100
29) Chloroform	2.865	83	175788	9.536	ppbv	98
30) Cyclohexane	3.881	84	88761	11.797	ppbv	99
31) cis-1,2-Dichloroethene	2.735	61	106195	10.398	ppbv	96
32) 1,1,1-Trichloroethane	3.386	97	164951	9.874	ppbv	99
34) 2-Butanone	2.570	43	174729	10.377	ppbv	99
35) Carbon Tetrachloride	3.784	117	168248	10.414	ppbv	96
36) Benzene	3.680	78	219166	10.733	ppbv	99
37) 1,2-Dichloroethane	3.237	62	135149	10.067	ppbv	100
38) Trichloroethene	4.580	130	82268	10.476	ppbv	99
39) 1,2-Dichloropropane	4.341	63	80184	10.151	ppbv	98
40) 1,4-Dioxane	4.616	88	35756	11.695	ppbv #	95
41) Tetrahydrofuran	3.072	42	94659	11.934	ppbv	99
42) Bromodichloromethane	4.515	83	171595	10.899	ppbv	96
43) Methyl Methacrylate	4.910	69	78647	12.265	ppbv	99
44) 2,2,4-Trimethylpentane	4.667	57	393434	11.694	ppbv	99
45) t-1,3-Dichloropropene	6.451	75	68913	11.008	ppbv	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	95759	11.616	ppbv	99
47) 1,1,2-Trichloroethane	6.616	97	83220	9.973	ppbv	93
48) Dibromochloromethane	7.415	129	122520	11.520	ppbv	99
49) Bromoform	9.506	173	101879	11.953	ppbv	99
50) 4-Methyl-2-Pentanone	5.794	43	243893m	12.525	ppbv	
51) 2-Hexanone	7.467	43	193644	13.141	ppbv	99
52) Tetrachloroethene	8.250	164	67208	11.100	ppbv	95
53) Toluene	6.965	91	225037	12.382	ppbv	100
54) 1,2-Dibromoethane	7.678	107	110135	10.765	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.946	131	109273	10.379	ppbv	99
57) Chlorobenzene	8.943	112	189988	9.844	ppbv	98
58) Ethyl Benzene	9.373	91	326397	12.964	ppbv	97
59) m/p-Xylene	9.574	91	562576m	25.362	ppbv	
60) o-Xylene	9.985	91	278979	12.905	ppbv	99
61) Styrene	9.891	104	112676	13.435	ppbv	99
62) Isopropylbenzene	10.558	105	414931	12.217	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.985	83	185879	9.806	ppbv	100
64) n-propylbenzene	11.008	120	107961	12.391	ppbv	99
65) tert-Butylbenzene	11.549	119	379928	12.414	ppbv	98
66) Benzyl Chloride	11.633	91	26131	10.193	ppbv	99
67) sec-Butylbenzene	11.785	105	536668	12.017	ppbv	100
69) p-Isopropyltoluene	11.943	119	435146	12.411	ppbv	99
70) n-Butylbenzene	12.299	91	430545	12.223	ppbv	100
71) 2-Chlorotoluene	10.921	91	304622	12.356	ppbv	100
72) 4-Ethyltoluene	11.144	105	330541	12.644	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	287547	12.558	ppbv	98
74) 1,2,4-Trimethylbenzene	11.555	105	320339	12.078	ppbv	90
75) 1,3-Dichlorobenzene	11.626	146	178940	10.080	ppbv	100
76) 1,4-Dichlorobenzene	11.691	146	178959	10.476	ppbv	100
77) 1,2-Dichlorobenzene	11.966	146	178111	9.629	ppbv	100
78) Hexachloro-1,3-Butadiene	13.898	225	113955	8.677	ppbv	99
79) Naphthalene	13.529	128	241962	12.385	ppbv	99
80) Naphthalene,2-methyl-	14.474	142	69167	9.565	ppbv	97
81) 1,2,4-Trichlorobenzene	13.458	180	111710	10.316	ppbv	99

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

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