

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060325\
 Data File : VL042609.D
 Acq On : 03 Jun 2025 14:07
 Operator : SY/MD
 Sample : Q2126-13 0.40 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025

Quant Time: Jun 04 01:50:45 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/04/2025
 Supervised By : Mahesh Dadoda 06/06/2025

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

Internal Standards						
1) Bromochloromethane	2.784	49	100090	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	270695	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	238536	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 184010 10.291 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	5309	0.432	ppbv	94
3) Chlorodifluoromethane	1.473	51	7944	0.469	ppbv	95
4) Chloromethane	1.531	50	2167	0.445	ppbv	94
5) Vinyl Chloride	1.576	62	2127	0.429	ppbv	92
6) Bromomethane	1.667	94	1111	0.460	ppbv	96
7) Chloroethane	1.703	64	851	0.441	ppbv #	85
8) Dichlorotetrafluoroethane	1.550	85	4547	0.444	ppbv	99
9) Propene	1.483	41	2699	0.396	ppbv #	75
10) Heptane	4.975	43	6927m	0.360	ppbv	
11) Trichlorofluoromethane	1.874	101	5211	0.455	ppbv	88
12) 1,1,2-Trichlorotrifluo...	2.136	101	3862	0.430	ppbv	100
13) Ethanol	1.719	45	493	0.606	ppbv #	47
14) Bromoethene	1.777	108	1693	0.501	ppbv #	78
15) Acetone	1.832	43	6264	0.520	ppbv	94
16) 1,3-Butadiene	1.605	39	2741m	0.480	ppbv	
17) tert-Butyl alcohol	2.042	59	5028	0.400	ppbv #	94
18) 1,1-Dichloroethene	2.030	96	1821	0.437	ppbv #	81
19) Isopropyl Alcohol	1.887	45	3454	0.479	ppbv #	42
20) Methylene Chloride	2.059	84	2591	0.651	ppbv	90
21) Allyl Chloride	2.094	41	3400	0.400	ppbv	88
22) trans-1,2-Dichloroethene	2.340	96	2198m	0.472	ppbv	
23) Vinyl Acetate	2.460	43	6275	0.385	ppbv #	94
24) 1,1-Dichloroethane	2.405	63	4171	0.436	ppbv #	91
25) Ethyl Acetate	2.839	43	12852	0.390	ppbv	97
26) Hexane	2.822	57	5653	0.377	ppbv	93
27) Carbon Disulfide	2.146	76	4609	0.400	ppbv #	1
28) Methyl tert-Butyl Ether	2.437	73	2518	0.414	ppbv	93
29) Chloroform	2.845	83	8849	0.454	ppbv	100
30) Cyclohexane	3.855	84	4209m	0.339	ppbv	
31) cis-1,2-Dichloroethene	2.716	61	5807	0.423	ppbv #	82
32) 1,1,1-Trichloroethane	3.366	97	8081	0.406	ppbv	93
34) 2-Butanone	2.560	43	9808	0.508	ppbv	100
35) Carbon Tetrachloride	3.764	117	8316m	0.465	ppbv	
36) Benzene	3.651	78	11914	0.447	ppbv	97
37) 1,2-Dichloroethane	3.217	62	6616	0.499	ppbv	97
38) Trichloroethene	4.544	130	4944m	0.436	ppbv	
39) 1,2-Dichloropropane	4.311	63	4768	0.484	ppbv	95
40) 1,4-Dioxane	4.606	88	2047m	0.464	ppbv	
41) Tetrahydrofuran	3.059	42	4377	0.387	ppbv	99
42) Bromodichloromethane	4.483	83	8684	0.462	ppbv #	96
43) Methyl Methacrylate	4.884	69	3913m	0.378	ppbv	
44) 2,2,4-Trimethylpentane	4.632	57	18627m	0.409	ppbv	
45) t-1,3-Dichloropropene	6.418	75	4399m	0.372	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060325\
 Data File : VL042609.D
 Acq On : 03 Jun 2025 14:07
 Operator : SY/MD
 Sample : Q2126-13 0.40 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025

Quant Time: Jun 04 01:50:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/04/2025
 Supervised By :Mahesh Dadoda 06/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	5649m	0.381	ppbv	
47) 1,1,2-Trichloroethane	6.580	97	5034m	0.493	ppbv	
48) Dibromochloromethane	7.386	129	6948m	0.425	ppbv	
49) Bromoform	9.477	173	5435	0.386	ppbv	97
50) 4-Methyl-2-Pentanone	5.768	43	10754m	0.402	ppbv	
51) 2-Hexanone	7.444	43	7357m	0.346	ppbv	
52) Tetrachloroethene	8.224	164	4198	0.421	ppbv	91
53) Toluene	6.933	91	11057	0.359	ppbv	95
54) 1,2-Dibromoethane	7.658	107	6603m	0.437	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.924	131	5241	0.437	ppbv #	1
57) Chlorobenzene	8.917	112	11253	0.486	ppbv	96
58) Ethyl Benzene	9.354	91	14945	0.369	ppbv	95
59) m/p-Xylene	9.545	91	23524m	0.739	ppbv	
60) o-Xylene	9.959	91	11857	0.373	ppbv	99
61) Styrene	9.872	104	4746	0.316	ppbv	97
62) Isopropylbenzene	10.539	105	17943	0.382	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	9192	0.455	ppbv	96
64) n-propylbenzene	10.989	120	4433	0.352	ppbv	88
65) tert-Butylbenzene	11.529	119	15637	0.367	ppbv	95
66) Benzyl Chloride	11.610	91	1598	0.292	ppbv #	93
67) sec-Butylbenzene	11.765	105	22837	0.382	ppbv	100
69) p-Isopropyltoluene	11.924	119	18086	0.361	ppbv	95
70) n-Butylbenzene	12.280	91	17215	0.348	ppbv	94
71) 2-Chlorotoluene	10.898	91	13302	0.372	ppbv	98
72) 4-Ethyltoluene	11.121	105	14333	0.362	ppbv #	96
73) 1,3,5-Trimethylbenzene	11.199	105	11684	0.357	ppbv #	85
74) 1,2,4-Trimethylbenzene	11.536	105	14197	0.390	ppbv #	92
75) 1,3-Dichlorobenzene	11.603	146	9710	0.425	ppbv	99
76) 1,4-Dichlorobenzene	11.671	146	9652	0.424	ppbv	96
77) 1,2-Dichlorobenzene	11.947	146	10515	0.474	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	8870	0.484	ppbv	99
79) Naphthalene	13.513	128	8783	0.256	ppbv	96
80) Naphthalene,2-methyl-	14.465	142	1437	0.093	ppbv	95
81) 1,2,4-Trichlorobenzene	13.439	180	4869	0.254	ppbv	96

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060325\
Data File : VL042609.D
Acq On : 03 Jun 2025 14:07
Operator : SY/MD
Sample : Q2126-13 0.40 LOD
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2025

Quant Time: Jun 04 01:50:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/04/2025
Supervised By :Mahesh Dadoda 06/06/2025

