

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061925\
 Data File : VL042654.D
 Acq On : 19 Jun 2025 14:36
 Operator : SY/MD
 Sample : Q2368-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

Quant Time: Jun 20 01:38:06 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.803	49	110926	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.985	114	297809	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.908	117	265686	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.397	95	210213	10.555	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 105.500%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.506	85	6377	0.468	ppbv	96
3) Chlorodifluoromethane	1.483	51	10882m	0.580	ppbv	
4) Chloromethane	1.538	50	4217	0.781	ppbv	97
5) Vinyl Chloride	1.590	62	228	0.041	ppbv #	64
9) Propene	1.493	41	45621	6.033	ppbv #	76
10) Heptane	5.011	43	64933	3.046	ppbv	99
11) Trichlorofluoromethane	1.888	101	3436m	0.271	ppbv	
13) Ethanol	1.739	45	2411786	2676.402	ppbv	73
15) Acetone	1.845	43	410602m	30.730	ppbv	
19) Isopropyl Alcohol	1.897	45	72050	9.020	ppbv #	1
20) Methylene Chloride	2.075	84	3118	0.707	ppbv #	59
26) Hexane	2.842	57	141631	8.524	ppbv	82
29) Chloroform	2.865	83	25995	1.203	ppbv	93
30) Cyclohexane	3.881	84	28176	2.046	ppbv	94
31) cis-1,2-Dichloroethene	2.739	61	4593	0.302	ppbv #	85
34) 2-Butanone	2.570	43	27969	1.317	ppbv	97
35) Carbon Tetrachloride	3.784	117	1706m	0.087	ppbv	
36) Benzene	3.677	78	145194	4.951	ppbv	98
38) Trichloroethene	4.571	130	2806m	0.225	ppbv	
41) Tetrahydrofuran	3.075	42	7319m	0.589	ppbv	
44) 2,2,4-Trimethylpentane	4.668	57	202489	4.037	ppbv	90
50) 4-Methyl-2-Pentanone	5.804	43	16487m	0.560	ppbv	
52) Tetrachloroethene	8.264	164	1758047	160.426	ppbv	98
53) Toluene	6.966	91	762011	22.482	ppbv	99
58) Ethyl Benzene	9.377	91	262805	5.831	ppbv	94
59) m/p-Xylene	9.555	91	745066	21.008	ppbv	97
60) o-Xylene	9.986	91	285317	8.066	ppbv	97
61) Styrene	9.895	104	26386	1.578	ppbv	96
62) Isopropylbenzene	10.558	105	10455	0.200	ppbv	91
64) n-propylbenzene	11.005	120	8498	0.607	ppbv	91
69) p-Isopropyltoluene	11.941	119	8167	0.146	ppbv	95
70) n-Butylbenzene	12.297	91	10981	0.199	ppbv #	46
72) 4-Ethyltoluene	11.141	105	45232	1.026	ppbv #	55
73) 1,3,5-Trimethylbenzene	11.222	105	45144	1.237	ppbv	89
74) 1,2,4-Trimethylbenzene	11.552	105	158301	3.908	ppbv #	64
76) 1,4-Dichlorobenzene	11.688	146	123874	4.883	ppbv	97
79) Naphthalene	13.530	128	9254	0.242	ppbv	97

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

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