

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051425\
 Data File : VL042542.D
 Acq On : 14 May 2025 14:50
 Operator : SY/MD
 Sample : Q2037-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2025
 Supervised By :Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:35:31 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M

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

QLast Update : Tue May 13 02:07:03 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	128941	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.965	114	393473	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.888	117	334639	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	292296	10.039	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.400%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.499	85	9815	0.469	ppbv	97
3) Chlorodifluoromethane	1.480	51	37484m	1.757	ppbv	
4) Chloromethane	1.535	50	6528	0.764	ppbv	92
9) Propene	1.489	41	25741	5.563	ppbv #	85
10) Heptane	4.985	43	5499m	0.311	ppbv	
11) Trichlorofluoromethane	1.881	101	4544	0.226	ppbv	93
13) Ethanol	1.726	45	399061	320.622	ppbv	99
15) Acetone	1.839	43	346225m	16.659	ppbv	
17) tert-Butyl alcohol	2.049	59	10067	0.529	ppbv #	72
19) Isopropyl Alcohol	1.887	45	236447	21.125	ppbv #	1
20) Methylene Chloride	2.065	84	6594	0.919	ppbv	87
26) Hexane	2.833	57	54531	3.671	ppbv #	52
29) Chloroform	2.852	83	51478	1.671	ppbv	91
30) Cyclohexane	3.865	84	17618	1.445	ppbv	96
34) 2-Butanone	2.561	43	23581	0.909	ppbv	95
35) Carbon Tetrachloride	3.768	117	4225m	0.119	ppbv	
36) Benzene	3.661	78	17331	0.497	ppbv #	91
37) 1,2-Dichloroethane	3.224	62	6459	0.260	ppbv #	94
41) Tetrahydrofuran	3.062	42	5254	0.468	ppbv	89
44) 2,2,4-Trimethylpentane	4.648	57	13050m	0.236	ppbv	
52) Tetrachloroethene	8.231	164	3386m	0.254	ppbv	
53) Toluene	6.946	91	96387	2.817	ppbv	97
58) Ethyl Benzene	9.364	91	14843	0.325	ppbv	96
59) m/p-Xylene	9.536	91	39401	0.973	ppbv #	100
60) o-Xylene	9.969	91	18271	0.462	ppbv	96
61) Styrene	9.882	104	17637m	1.204	ppbv	
64) n-propylbenzene	10.995	120	1997m	0.132	ppbv	
69) p-Isopropyltoluene	11.927	119	7642	0.119	ppbv #	85
72) 4-Ethyltoluene	11.128	105	10247	0.209	ppbv #	89
73) 1,3,5-Trimethylbenzene	11.209	105	10686	0.250	ppbv #	81
74) 1,2,4-Trimethylbenzene	11.539	105	32828	0.624	ppbv #	62
76) 1,4-Dichlorobenzene	11.678	146	639635	20.411	ppbv	99
79) Naphthalene	13.520	128	7230	0.198	ppbv #	95
80) Naphthalene,2-methyl-	14.462	142	2256	0.107	ppbv #	74

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

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