

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071423\
 Data File : VL040532.D
 Acq On : 14 Jul 2023 18:12
 Operator : SY/MD
 Sample : 03636-02DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DUP

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

Quant Time: Jul 16 23:32:08 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 11 2023

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	964968	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2583888	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2356023	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 1949665 10.456 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.600%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.732	85	81138	0.420	ppbv	95
3) Chlorodifluoromethane	2.681	51	53734m	0.351	ppbv	
4) Chloromethane	2.819	50	44299	0.731	ppbv #	88
9) Propene	2.700	41	529010	10.103	ppbv	95
10) Heptane	7.584	43	406047m	3.512	ppbv	
11) Trichlorofluoromethane	3.568	101	39351	0.253	ppbv	92
13) Ethanol	3.243	45	300891m	26.411	ppbv	
15) Acetone	3.468	43	1907121m	17.170	ppbv	
17) tert-Butyl alcohol	3.886	59	117030	1.019	ppbv #	92
19) Isopropyl Alcohol	3.581	45	125204	1.964	ppbv #	1
20) Methylene Chloride	3.938	84	717630	15.189	ppbv	95
26) Hexane	5.214	57	633619	6.450	ppbv #	44
27) Carbon Disulfide	4.128	76	15070	0.130	ppbv #	57
29) Chloroform	5.282	83	31807m	0.195	ppbv	
30) Cyclohexane	6.600	84	46639m	0.571	ppbv	
34) 2-Butanone	4.784	43	4328607	33.902	ppbv	100
35) Carbon Tetrachloride	6.494	117	10944m	0.070	ppbv	
36) Benzene	6.372	78	97367	0.468	ppbv	95
38) Trichloroethene	7.295	130	3816m	0.049	ppbv	
41) Tetrahydrofuran	5.565	42	40977m	0.550	ppbv	
44) 2,2,4-Trimethylpentane	7.333	57	83516	0.250	ppbv #	37
50) 4-Methyl-2-Pentanone	8.189	43	34656	0.187	ppbv	98
51) 2-Hexanone	9.552	43	71018	0.541	ppbv #	97
52) Tetrachloroethene	10.623	164	366503	5.444	ppbv	97
53) Toluene	9.224	91	649893	2.878	ppbv	98
58) Ethyl Benzene	12.095	91	4169257	14.101	ppbv	99
59) m/p-Xylene	12.356	91	14861414	56.316	ppbv	91
60) o-Xylene	13.069	91	10115841	40.239	ppbv	95
61) Styrene	12.905	104	165373	1.426	ppbv	96
62) Isopropylbenzene	14.040	105	3466646	9.200	ppbv	99
64) n-propylbenzene	14.937	120	5071333	52.021	ppbv #	63
67) sec-Butylbenzene	16.661	105	2940057	5.999	ppbv	100
69) p-Isopropyltoluene	17.018	119	2296648m	5.670	ppbv	
70) n-Butylbenzene	17.918	91	5729846	12.686	ppbv #	48
72) 4-Ethyltoluene	15.227	105	18739937m	63.593	ppbv	
73) 1,3,5-Trimethylbenzene	15.388	105	21396800	82.374	ppbv #	72
74) 1,2,4-Trimethylbenzene	16.175	105	42570549	140.566	ppbv #	62
79) Naphthalene	21.403	128	5081946	19.833	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	62669	0.593	ppbv #	81

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

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