

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040713.D
 Acq On : 19 Sep 2023 00:25
 Operator : SY/MD
 Sample : 04471-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023
 Supervised By :Mahesh Dadoda 09/19/2023

Quant Time: Sep 19 05:24:23 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M

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

QLast Update : Tue Sep 19 05:12:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1101243	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	3006387	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2617124	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 2235357 11.055 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 110.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	113664	0.468	ppbv	94
3) Chlorodifluoromethane	2.684	51	45029m	0.251	ppbv	
4) Chloromethane	2.819	50	36432	0.530	ppbv	90
8) Dichlorotetrafluoroethane	2.864	85	6054	0.030	ppbv	91
9) Propene	2.709	41	102821	1.989	ppbv	85
10) Heptane	7.587	43	80607	0.692	ppbv	97
11) Trichlorofluoromethane	3.571	101	46857	0.220	ppbv	98
12) 1,1,2-Trichlorotrifluoro...	4.076	101	13420m	0.088	ppbv	
13) Ethanol	3.243	45	976322	63.822	ppbv	100
15) Acetone	3.475	43	1364827	9.396	ppbv	97
17) tert-Butyl alcohol	3.896	59	21568m	0.145	ppbv	
19) Isopropyl Alcohol	3.587	45	589542	6.736	ppbv	100
20) Methylene Chloride	3.941	84	51696	0.661	ppbv	95
25) Ethyl Acetate	5.214	43	104757	0.447	ppbv #	89
26) Hexane	5.221	57	75334	0.680	ppbv #	71
29) Chloroform	5.282	83	39582	0.207	ppbv	96
30) Cyclohexane	6.610	84	16508m	0.198	ppbv	
34) 2-Butanone	4.790	43	1549788	10.250	ppbv	99
35) Carbon Tetrachloride	6.497	117	15738m	0.076	ppbv	
36) Benzene	6.378	78	63798	0.287	ppbv #	94
43) Methyl Methacrylate	7.481	69	26068	0.315	ppbv	96
44) 2,2,4-Trimethylpentane	7.340	57	70406m	0.199	ppbv	
52) Tetrachloroethene	10.632	164	12639m	0.174	ppbv	
53) Toluene	9.227	91	385380	1.640	ppbv	99
58) Ethyl Benzene	12.098	91	12389275	41.522	ppbv	89
59) m/p-Xylene	12.352	91	9589480	34.226	ppbv	92
60) o-Xylene	13.066	91	3439337	12.872	ppbv	100
62) Isopropylbenzene	14.037	105	222488	0.551	ppbv	99
64) n-propylbenzene	14.921	120	106936	1.060	ppbv	93
67) sec-Butylbenzene	16.654	105	368281	0.710	ppbv	98
69) p-Isopropyltoluene	17.018	119	370250m	0.909	ppbv	
70) n-Butylbenzene	17.911	91	900342	2.008	ppbv #	58
72) 4-Ethyltoluene	15.207	105	557962	1.862	ppbv #	87
73) 1,3,5-Trimethylbenzene	15.365	105	1144846	4.243	ppbv	95
74) 1,2,4-Trimethylbenzene	16.127	105	3238420	9.846	ppbv #	65
79) Naphthalene	21.403	128	196619	0.961	ppbv	97

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

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