

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012524\
 Data File : VL041027.D
 Acq On : 25 Jan 2024 13:23
 Operator : SY/MD
 Sample : P1187-15 MDL 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2024DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/26/2024
 Supervised By :Mahesh Dadoda 01/26/2024

Quant Time: Jan 26 00:26:43 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Fri Jan 26 00:23:09 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1090537	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2869415	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2484337	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.760	95	1868080	9.955	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	124431	0.517	ppbv	92
3) Chlorodifluoromethane	2.661	51	95805	0.522	ppbv	98
4) Chloromethane	2.799	50	35856	0.522	ppbv	98
5) Vinyl Chloride	2.906	62	32887	0.488	ppbv	98
6) Bromomethane	3.105	94	16094	0.548	ppbv #	79
7) Chloroethane	3.182	64	12039	0.496	ppbv #	83
8) Dichlorotetrafluoroethane	2.844	85	89336	0.496	ppbv	97
9) Propene	2.677	41	30596	0.509	ppbv	98
10) Heptane	7.561	43	65355m	0.441	ppbv	
11) Trichlorofluoromethane	3.549	101	93616	0.482	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.050	101	69457	0.494	ppbv	98
13) Ethanol	3.240	45	7713m	0.538	ppbv	
14) Bromoethene	3.353	108	25614	0.474	ppbv #	88
15) Acetone	3.468	43	75292	0.540	ppbv	92
16) 1,3-Butadiene	2.970	39	28236	0.423	ppbv	89
17) tert-Butyl alcohol	3.880	59	62597	0.547	ppbv #	93
18) 1,1-Dichloroethene	3.867	96	26414	0.439	ppbv	94
19) Isopropyl Alcohol	3.581	45	44404m	0.550	ppbv	
20) Methylene Chloride	3.918	84	35877m	0.669	ppbv	
21) Allyl Chloride	3.983	41	39152	0.462	ppbv	90
22) trans-1,2-Dichloroethene	4.433	96	27432	0.442	ppbv	87
23) Vinyl Acetate	4.619	43	60040	0.418	ppbv #	93
24) 1,1-Dichloroethane	4.552	63	60086m	0.471	ppbv	
25) Ethyl Acetate	5.198	43	120843	0.478	ppbv	98
26) Hexane	5.198	57	55876	0.518	ppbv	93
27) Carbon Disulfide	4.115	76	65615	0.468	ppbv #	86
28) Methyl tert-Butyl Ether	4.584	73	40263	0.450	ppbv	99
29) Chloroform	5.259	83	93393	0.489	ppbv	100
30) Cyclohexane	6.584	84	39774m	0.440	ppbv	
31) cis-1,2-Dichloroethene	5.066	61	48905	0.483	ppbv	95
32) 1,1,1-Trichloroethane	5.983	97	90887	0.497	ppbv	97
34) 2-Butanone	4.783	43	60107	0.440	ppbv #	89
35) Carbon Tetrachloride	6.481	117	90588m	0.473	ppbv	
36) Benzene	6.359	78	109293	0.461	ppbv #	91
37) 1,2-Dichloroethane	5.793	62	69065	0.478	ppbv	98
38) Trichloroethene	7.282	130	41447m	0.436	ppbv	
39) 1,2-Dichloropropane	7.057	63	46634m	0.500	ppbv	
40) 1,4-Dioxane	7.304	88	20423m	0.527	ppbv	
41) Tetrahydrofuran	5.571	42	40485m	0.436	ppbv	
42) Bromodichloromethane	7.233	83	90557	0.438	ppbv	92
43) Methyl Methacrylate	7.471	69	36478m	0.399	ppbv	
44) 2,2,4-Trimethylpentane	7.307	57	182586m	0.458	ppbv	
45) t-1,3-Dichloropropene	8.703	75	24452m	0.391	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	32923m	0.423	ppbv	
47) 1,1,2-Trichloroethane	8.892	97	46380m	0.461	ppbv	
48) Dibromochloromethane	9.696	129	71422m	0.420	ppbv	
49) Bromoform	12.397	173	51568m	0.386	ppbv	
50) 4-Methyl-2-Pentanone	8.185	43	99018m	0.411	ppbv	
51) 2-Hexanone	9.561	43	65282m	0.376	ppbv	
52) Tetrachloroethene	10.606	164	37700m	0.479	ppbv	
53) Toluene	9.208	91	103682	0.399	ppbv	98
54) 1,2-Dibromoethane	9.989	107	59258m	0.435	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.490	131	56401	0.473	ppbv #	1
57) Chlorobenzene	11.510	112	99006	0.495	ppbv	95
58) Ethyl Benzene	12.076	91	139630	0.419	ppbv	91
59) m/p-Xylene	12.362	91	258553m	0.889	ppbv	
60) o-Xylene	13.043	91	118784	0.426	ppbv	96
61) Styrene	12.889	104	47822m	0.373	ppbv	
62) Isopropylbenzene	14.018	105	185704	0.450	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.037	83	103782m	0.479	ppbv	
64) n-propylbenzene	14.899	120	42456m	0.407	ppbv	
65) tert-Butylbenzene	16.085	119	153622m	0.426	ppbv	
66) Benzyl Chloride	16.313	91	11969m	0.507	ppbv	
67) sec-Butylbenzene	16.622	105	231775	0.441	ppbv	98
69) p-Isopropyltoluene	16.985	119	170940m	0.420	ppbv	
70) n-Butylbenzene	17.879	91	190507m	0.433	ppbv	
71) 2-Chlorotoluene	14.789	91	142568	0.448	ppbv	99
72) 4-Ethyltoluene	15.175	105	126794m	0.407	ppbv	
73) 1,3,5-Trimethylbenzene	15.336	105	112117	0.405	ppbv	92
74) 1,2,4-Trimethylbenzene	16.088	105	136091m	0.434	ppbv	
75) 1,3-Dichlorobenzene	16.317	146	79170m	0.444	ppbv	
76) 1,4-Dichlorobenzene	16.458	146	85800m	0.487	ppbv	
77) 1,2-Dichlorobenzene	17.137	146	85987m	0.485	ppbv	
78) Hexachloro-1,3-Butadiene	22.622	225	55744m	0.487	ppbv	
79) Naphthalene	21.387	128	82006m	0.458	ppbv	
80) Naphthalene,2-methyl-	24.410	142	19415m	0.618	ppbv	
81) 1,2,4-Trichlorobenzene	21.133	180	47622m	0.456	ppbv	

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

