

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012524\
 Data File : VL041028.D
 Acq On : 25 Jan 2024 14:01
 Operator : SY/MD
 Sample : P1187-15 MDL 0.40
 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 01:07:11 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 01:06:47 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1098929	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2698657	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2327918	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 1790933 10.186 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	105053	0.433	ppbv	99
3) Chlorodifluoromethane	2.661	51	77523	0.419	ppbv	99
4) Chloromethane	2.803	50	27305	0.394	ppbv #	87
5) Vinyl Chloride	2.909	62	28665	0.422	ppbv	92
6) Bromomethane	3.108	94	12940	0.438	ppbv #	77
7) Chloroethane	3.192	64	10391	0.425	ppbv	97
8) Dichlorotetrafluoroethane	2.845	85	77783	0.429	ppbv	100
9) Propene	2.684	41	23186	0.382	ppbv	89
10) Heptane	7.568	43	50930	0.341	ppbv	94
11) Trichlorofluoromethane	3.549	101	80461	0.411	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.054	101	54944m	0.388	ppbv	
13) Ethanol	3.250	45	6921m	0.479	ppbv	
14) Bromoethene	3.353	108	20674m	0.380	ppbv	
15) Acetone	3.472	43	70088	0.499	ppbv	98
16) 1,3-Butadiene	2.973	39	25639m	0.381	ppbv	
17) tert-Butyl alcohol	3.886	59	41313m	0.358	ppbv	
18) 1,1-Dichloroethene	3.870	96	25861m	0.426	ppbv	
19) Isopropyl Alcohol	3.587	45	31094m	0.382	ppbv	
20) Methylene Chloride	3.928	84	24450m	0.452	ppbv	
21) Allyl Chloride	3.983	41	33392	0.391	ppbv	97
22) trans-1,2-Dichloroethene	4.433	96	24406m	0.391	ppbv	
23) Vinyl Acetate	4.626	43	48948m	0.338	ppbv	
24) 1,1-Dichloroethane	4.555	63	51876m	0.404	ppbv	
25) Ethyl Acetate	5.205	43	95678	0.375	ppbv #	96
26) Hexane	5.198	57	43359m	0.399	ppbv	
27) Carbon Disulfide	4.108	76	54765m	0.387	ppbv	
28) Methyl tert-Butyl Ether	4.591	73	31542	0.350	ppbv	94
29) Chloroform	5.259	83	78465	0.407	ppbv	99
30) Cyclohexane	6.587	84	27533m	0.303	ppbv	
31) cis-1,2-Dichloroethene	5.070	61	43269m	0.424	ppbv	
32) 1,1,1-Trichloroethane	5.986	97	72148m	0.392	ppbv	
34) 2-Butanone	4.790	43	52694	0.410	ppbv	100
35) Carbon Tetrachloride	6.478	117	72541m	0.403	ppbv	
36) Benzene	6.362	78	84586m	0.380	ppbv	
37) 1,2-Dichloroethane	5.793	62	58473m	0.430	ppbv	
38) Trichloroethene	7.282	130	34667m	0.388	ppbv	
39) 1,2-Dichloropropane	7.063	63	37739	0.430	ppbv	93
40) 1,4-Dioxane	7.311	88	12226m	0.335	ppbv	
41) Tetrahydrofuran	5.568	42	33701m	0.386	ppbv	
42) Bromodichloromethane	7.234	83	79224	0.407	ppbv	87
43) Methyl Methacrylate	7.478	69	29231m	0.340	ppbv	
44) 2,2,4-Trimethylpentane	7.314	57	140331	0.374	ppbv	91
45) t-1,3-Dichloropropene	8.693	75	18085m	0.308	ppbv	

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

QLast Update : Fri Jan 26 01:06:47 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	22922m	0.313	ppbv	
47) 1,1,2-Trichloroethane	8.883	97	38456m	0.406	ppbv	
48) Dibromochloromethane	9.696	129	55357m	0.346	ppbv	
49) Bromoform	12.394	173	41884	0.334	ppbv	98
50) 4-Methyl-2-Pentanone	8.195	43	79983m	0.353	ppbv	
51) 2-Hexanone	9.565	43	50721m	0.311	ppbv	
52) Tetrachloroethene	10.610	164	29587m	0.400	ppbv	
53) Toluene	9.211	91	81828m	0.335	ppbv	
54) 1,2-Dibromoethane	9.992	107	47649m	0.372	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.494	131	48098	0.431	ppbv #	1
57) Chlorobenzene	11.513	112	81536	0.435	ppbv	94
58) Ethyl Benzene	12.076	91	105172	0.336	ppbv	97
59) m/p-Xylene	12.362	91	191015m	0.701	ppbv	
60) o-Xylene	13.050	91	95421m	0.365	ppbv	
61) Styrene	12.892	104	34522m	0.288	ppbv	
62) Isopropylbenzene	14.015	105	146245	0.378	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.031	83	86485m	0.426	ppbv	
64) n-propylbenzene	14.908	120	32245	0.330	ppbv	70
65) tert-Butylbenzene	16.082	119	125718m	0.372	ppbv	
66) Benzyl Chloride	16.317	91	10004m	0.452	ppbv	
67) sec-Butylbenzene	16.625	105	176143	0.358	ppbv	100
69) p-Isopropyltoluene	16.986	119	128510m	0.337	ppbv	
70) n-Butylbenzene	17.883	91	128645	0.312	ppbv	99
71) 2-Chlorotoluene	14.786	91	106686m	0.358	ppbv	
72) 4-Ethyltoluene	15.191	105	96954m	0.332	ppbv	
73) 1,3,5-Trimethylbenzene	15.346	105	91256m	0.352	ppbv	
74) 1,2,4-Trimethylbenzene	16.101	105	110856m	0.377	ppbv	
75) 1,3-Dichlorobenzene	16.320	146	66589m	0.398	ppbv	
76) 1,4-Dichlorobenzene	16.458	146	66978m	0.406	ppbv	
77) 1,2-Dichlorobenzene	17.133	146	62311m	0.375	ppbv	
78) Hexachloro-1,3-Butadiene	22.619	225	46414m	0.433	ppbv	
79) Naphthalene	21.394	128	43751m	0.261	ppbv	
80) Naphthalene,2-methyl-	24.435	142	5889m	0.200	ppbv	
81) 1,2,4-Trichlorobenzene	21.130	180	30271m	0.310	ppbv	

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

