

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101024\
 Data File : VL041652.D
 Acq On : 10 Oct 2024 21:21
 Operator : SY/MD
 Sample : P4368-14 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2024

Quant Time: Oct 11 05:44:44 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/11/2024
 Supervised By : Mahesh Dadoda 10/14/2024

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

Internal Standards						
1) Bromochloromethane	5.173	49	990883	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	2738409	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2461624	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1885915	10.407	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	= 104.100%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.706	85	93632m	0.654	ppbv	
3) Chlorodifluoromethane	2.652	51	65887	0.548	ppbv	95
4) Chloromethane	2.790	50	35876	0.543	ppbv	95
5) Vinyl Chloride	2.899	62	28836	0.504	ppbv	97
6) Bromomethane	3.099	94	15843m	0.556	ppbv	
7) Chloroethane	3.176	64	11327	0.509	ppbv	95
8) Dichlorotetrafluoroethane	2.832	85	81094	0.540	ppbv	98
9) Propene	2.671	41	24810m	0.489	ppbv	
10) Heptane	7.565	43	46886m	0.395	ppbv	
11) Trichlorofluoromethane	3.539	101	80278	0.527	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.047	101	58952	0.535	ppbv	100
13) Ethanol	3.259	45	1016m	0.267	ppbv	
14) Bromoethene	3.343	108	18092	0.433	ppbv #	85
15) Acetone	3.462	43	71733	0.577	ppbv	96
16) 1,3-Butadiene	2.960	39	25969	0.429	ppbv	100
17) tert-Butyl alcohol	3.877	59	43409m	0.397	ppbv	
18) 1,1-Dichloroethene	3.861	96	21948	0.470	ppbv	93
19) Isopropyl Alcohol	3.581	45	22953m	0.360	ppbv	
20) Methylene Chloride	3.912	84	25234	0.540	ppbv #	90
21) Allyl Chloride	3.976	41	32457	0.450	ppbv	92
22) trans-1,2-Dichloroethene	4.427	96	23452	0.504	ppbv	97
23) Vinyl Acetate	4.619	43	28661	0.419	ppbv #	85
24) 1,1-Dichloroethane	4.542	63	53983	0.526	ppbv #	96
25) Ethyl Acetate	5.198	43	96780	0.433	ppbv #	95
26) Hexane	5.192	57	38843	0.417	ppbv #	80
27) Carbon Disulfide	4.105	76	41201m	0.416	ppbv	
28) Methyl tert-Butyl Ether	4.581	73	25023	0.436	ppbv	98
29) Chloroform	5.253	83	78772	0.517	ppbv	96
30) Cyclohexane	6.590	84	26876m	0.374	ppbv	
31) cis-1,2-Dichloroethene	5.063	61	36237	0.410	ppbv	95
32) 1,1,1-Trichloroethane	5.986	97	71654	0.528	ppbv	98
34) 2-Butanone	4.787	43	54816	0.420	ppbv	96
35) Carbon Tetrachloride	6.475	117	71225	0.530	ppbv #	89
36) Benzene	6.349	78	76899	0.404	ppbv	98
37) 1,2-Dichloroethane	5.787	62	53250	0.483	ppbv #	96
38) Trichloroethene	7.282	130	42594	0.435	ppbv	93
39) 1,2-Dichloropropane	7.053	63	34662	0.448	ppbv #	82
40) 1,4-Dioxane	7.320	88	7721m	0.265	ppbv	
41) Tetrahydrofuran	5.574	42	26424m	0.368	ppbv	
42) Bromodichloromethane	7.237	83	69081	0.450	ppbv #	95
43) Methyl Methacrylate	7.462	69	22160m	0.326	ppbv	
44) 2,2,4-Trimethylpentane	7.311	57	129448	0.393	ppbv #	86
45) t-1,3-Dichloropropene	8.696	75	16992m	0.310	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	25200m	0.313	ppbv	
47) 1,1,2-Trichloroethane	8.889	97	39437m	0.480	ppbv	
48) Dibromochloromethane	9.693	129	49331	0.396	ppbv	97
49) Bromoform	12.394	173	39668m	0.371	ppbv	
50) 4-Methyl-2-Pentanone	8.192	43	71737m	0.356	ppbv	
51) 2-Hexanone	9.565	43	43331m	0.284	ppbv	
52) Tetrachloroethene	10.603	164	29839m	0.433	ppbv	
53) Toluene	9.205	91	62173	0.308	ppbv	97
54) 1,2-Dibromoethane	9.995	107	41444	0.410	ppbv	85
56) 1,1,1,2-Tetrachloroethane	11.487	131	51154	0.532	ppbv #	1
57) Chlorobenzene	11.507	112	92984m	0.524	ppbv	
58) Ethyl Benzene	12.073	91	85921m	0.326	ppbv	
59) m/p-Xylene	12.352	91	169925m	0.725	ppbv	
60) o-Xylene	13.044	91	74251	0.330	ppbv	98
61) Styrene	12.886	104	23876m	0.254	ppbv	
62) Isopropylbenzene	14.021	105	147042	0.432	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	60018	0.522	ppbv	90
64) n-propylbenzene	14.905	120	34866m	0.396	ppbv	
65) tert-Butylbenzene	16.082	119	124354	0.398	ppbv	95
66) Benzyl Chloride	16.333	91	8338m	0.514	ppbv	
67) sec-Butylbenzene	16.632	105	183592	0.424	ppbv	99
69) p-Isopropyltoluene	16.989	119	127127	0.363	ppbv	96
70) n-Butylbenzene	17.886	91	137085m	0.373	ppbv	
71) 2-Chlorotoluene	14.790	91	94096	0.375	ppbv	97
72) 4-Ethyltoluene	15.182	105	90718m	0.345	ppbv	
73) 1,3,5-Trimethylbenzene	15.343	105	83064m	0.358	ppbv	
74) 1,2,4-Trimethylbenzene	16.098	105	110013	0.405	ppbv	97
75) 1,3-Dichlorobenzene	16.317	146	70438m	0.414	ppbv	
76) 1,4-Dichlorobenzene	16.468	146	74318m	0.456	ppbv	
77) 1,2-Dichlorobenzene	17.130	146	80449m	0.479	ppbv	
78) Hexachloro-1,3-Butadiene	22.625	225	66525m	0.480	ppbv	
79) Naphthalene	21.384	128	46427m	0.232	ppbv	
80) Naphthalene,2-methyl-	24.387	142	9940	0.071	ppbv #	24
81) 1,2,4-Trichlorobenzene	21.137	180	34790m	0.274	ppbv	

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

Manual Integrations APPROVED

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