

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101424\
 Data File : VL041668.D
 Acq On : 14 Oct 2024 15:00
 Operator : SY/MD
 Sample : P4368-15 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2024

Quant Time: Oct 15 02:42:28 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 10/15/2024
 Supervised By : Mahesh Dadoda 10/15/2024

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

Internal Standards						
1) Bromochloromethane	5.201	49	1007129	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.668	114	2693747	10.000	ppbv	0.04
55) Chlorobenzene-d5	11.484	117	2403576	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	1819115	10.281	ppbv	0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.722	85	76852	0.528	ppbv	92
3) Chlorodifluoromethane	2.671	51	53922	0.441	ppbv	100
4) Chloromethane	2.809	50	29140	0.434	ppbv	100
5) Vinyl Chloride	2.919	62	24272	0.417	ppbv	94
6) Bromomethane	3.121	94	11236	0.388	ppbv	97
7) Chloroethane	3.195	64	10336	0.457	ppbv #	77
8) Dichlorotetrafluoroethane	2.854	85	65672	0.430	ppbv	93
9) Propene	2.690	41	18378	0.357	ppbv	94
10) Heptane	7.600	43	33594m	0.278	ppbv	
11) Trichlorofluoromethane	3.565	101	65241	0.422	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.070	101	46297	0.413	ppbv	99
13) Ethanol	3.266	45	870m	0.225	ppbv	
14) Bromoethene	3.365	108	16035	0.377	ppbv #	91
15) Acetone	3.491	43	64114	0.507	ppbv	98
16) 1,3-Butadiene	2.983	39	21752	0.354	ppbv	100
17) tert-Butyl alcohol	3.909	59	30076	0.270	ppbv #	91
18) 1,1-Dichloroethene	3.883	96	19576	0.413	ppbv	94
19) Isopropyl Alcohol	3.603	45	13103m	0.202	ppbv	
20) Methylene Chloride	3.935	84	21763	0.458	ppbv	97
21) Allyl Chloride	4.005	41	28970m	0.395	ppbv	
22) trans-1,2-Dichloroethene	4.452	96	19994m	0.422	ppbv	
23) Vinyl Acetate	4.652	43	31815m	0.457	ppbv	
24) 1,1-Dichloroethane	4.568	63	42866	0.411	ppbv	97
25) Ethyl Acetate	5.224	43	77805	0.343	ppbv	98
26) Hexane	5.227	57	29183	0.308	ppbv #	71
27) Carbon Disulfide	4.131	76	32886	0.327	ppbv #	86
28) Methyl tert-Butyl Ether	4.607	73	20296	0.348	ppbv #	89
29) Chloroform	5.282	83	63417	0.409	ppbv	99
30) Cyclohexane	6.613	84	26157m	0.358	ppbv	
31) cis-1,2-Dichloroethene	5.089	61	27926m	0.311	ppbv	
32) 1,1,1-Trichloroethane	6.018	97	55602	0.403	ppbv	95
34) 2-Butanone	4.816	43	51548m	0.401	ppbv	
35) Carbon Tetrachloride	6.507	117	54786	0.415	ppbv #	91
36) Benzene	6.378	78	58789m	0.314	ppbv	
37) 1,2-Dichloroethane	5.816	62	41905	0.386	ppbv	97
38) Trichloroethene	7.314	130	34834m	0.362	ppbv	
39) 1,2-Dichloropropane	7.092	63	30094m	0.395	ppbv	
40) 1,4-Dioxane	7.352	88	4648m	0.162	ppbv	
41) Tetrahydrofuran	5.597	42	20357m	0.288	ppbv	
42) Bromodichloromethane	7.259	83	54626m	0.362	ppbv	
43) Methyl Methacrylate	7.497	69	15611m	0.233	ppbv	
44) 2,2,4-Trimethylpentane	7.346	57	93230	0.288	ppbv #	82
45) t-1,3-Dichloropropene	8.729	75	12534m	0.232	ppbv	

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

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	20630m	0.261	ppbv	
47) 1,1,2-Trichloroethane	8.922	97	30841m	0.382	ppbv	
48) Dibromochloromethane	9.722	129	39327	0.321	ppbv	97
49) Bromoform	12.433	173	31181m	0.297	ppbv	
50) 4-Methyl-2-Pentanone	8.227	43	53249m	0.268	ppbv	
51) 2-Hexanone	9.606	43	34735m	0.232	ppbv	
52) Tetrachloroethene	10.638	164	23495m	0.347	ppbv	
53) Toluene	9.240	91	45016m	0.227	ppbv	
54) 1,2-Dibromoethane	10.024	107	33840m	0.340	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.529	131	38772m	0.413	ppbv	
57) Chlorobenzene	11.542	112	75844m	0.438	ppbv	
58) Ethyl Benzene	12.111	91	63976	0.249	ppbv	94
59) m/p-Xylene	12.397	91	123081m	0.537	ppbv	
60) o-Xylene	13.082	91	56313m	0.256	ppbv	
61) Styrene	12.918	104	18956m	0.207	ppbv	
62) Isopropylbenzene	14.053	105	106344m	0.320	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.076	83	46742	0.416	ppbv	95
64) n-propylbenzene	14.944	120	24055m	0.280	ppbv	
65) tert-Butylbenzene	16.117	119	86685m	0.284	ppbv	
66) Benzyl Chloride	16.362	91	6831m	0.431	ppbv	
67) sec-Butylbenzene	16.661	105	125867	0.298	ppbv	98
69) p-Isopropyltoluene	17.027	119	84619m	0.247	ppbv	
70) n-Butylbenzene	17.918	91	94463m	0.263	ppbv	
71) 2-Chlorotoluene	14.825	91	68854	0.281	ppbv	100
72) 4-Ethyltoluene	15.220	105	63481	0.247	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.378	105	60602m	0.267	ppbv	
74) 1,2,4-Trimethylbenzene	16.130	105	81474m	0.307	ppbv	
75) 1,3-Dichlorobenzene	16.359	146	59808m	0.360	ppbv	
76) 1,4-Dichlorobenzene	16.500	146	60747m	0.381	ppbv	
77) 1,2-Dichlorobenzene	17.175	146	61020m	0.372	ppbv	
78) Hexachloro-1,3-Butadiene	22.664	225	53974m	0.399	ppbv	
79) Naphthalene	21.419	128	28816m	0.148	ppbv	
80) Naphthalene,2-methyl-	24.435	142	10057m	0.074	ppbv	
81) 1,2,4-Trichlorobenzene	21.172	180	24827m	0.200	ppbv	

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

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