

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
 Data File : VL041476.D
 Acq On : 1 Aug 2024 13:30
 Operator : SY/MD
 Sample : P3390-15 0.1 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2024

Quant Time: Aug 02 05:23:01 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Fri Aug 02 03:13:29 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/02/2024
 Supervised By : Mahesh Dadoda 08/03/2024

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

Internal Standards						
1) Bromochloromethane	5.195	49	881438	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2418368	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2222196	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1700515	9.944	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.732	85	18224	0.120	ppbv	96
3) Chlorodifluoromethane	2.681	51	13846	0.132	ppbv	98
4) Chloromethane	2.819	50	6433	0.115	ppbv	# 85
5) Vinyl Chloride	2.925	62	5211	0.095	ppbv	97
6) Bromomethane	3.127	94	3385	0.120	ppbv	# 54
7) Chloroethane	3.201	64	2528	0.133	ppbv	# 76
8) Dichlorotetrafluoroethane	2.861	85	16860	0.125	ppbv	100
9) Propene	2.697	41	9547m	0.198	ppbv	
10) Heptane	7.581	43	8161m	0.075	ppbv	
11) Trichlorofluoromethane	3.565	101	15430m	0.115	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.066	101	11059	0.114	ppbv	91
13) Ethanol	3.266	45	372m	0.086	ppbv	
14) Bromoethene	3.365	108	4268m	0.113	ppbv	
15) Acetone	3.494	43	21021	0.210	ppbv	# 83
16) 1,3-Butadiene	2.986	39	4731	0.088	ppbv	# 77
17) tert-Butyl alcohol	3.906	59	10414m	0.114	ppbv	
18) 1,1-Dichloroethene	3.883	96	4820	0.116	ppbv	# 74
19) Isopropyl Alcohol	3.610	45	7917m	0.135	ppbv	
20) Methylene Chloride	3.935	84	8165	0.219	ppbv	98
21) Allyl Chloride	3.999	41	7144	0.109	ppbv	# 94
22) trans-1,2-Dichloroethene	4.452	96	4953m	0.119	ppbv	
23) Vinyl Acetate	4.639	43	8973m	0.117	ppbv	
24) 1,1-Dichloroethane	4.561	63	9597m	0.107	ppbv	
25) Ethyl Acetate	5.217	43	20389m	0.102	ppbv	
26) Hexane	5.217	57	8678m	0.105	ppbv	
27) Carbon Disulfide	4.131	76	7878m	0.082	ppbv	
28) Methyl tert-Butyl Ether	4.610	73	5069m	0.097	ppbv	
29) Chloroform	5.272	83	15920	0.118	ppbv	89
30) Cyclohexane	6.597	84	5662m	0.084	ppbv	
31) cis-1,2-Dichloroethene	5.086	61	6561m	0.080	ppbv	
32) 1,1,1-Trichloroethane	5.996	97	12488m	0.095	ppbv	
34) 2-Butanone	4.812	43	13349m	0.114	ppbv	
35) Carbon Tetrachloride	6.500	117	12207m	0.092	ppbv	
36) Benzene	6.372	78	15449	0.087	ppbv	# 74
37) 1,2-Dichloroethane	5.806	62	12010m	0.121	ppbv	
38) Trichloroethene	7.285	130	8423m	0.104	ppbv	
39) 1,2-Dichloropropane	7.076	63	9056m	0.134	ppbv	
40) 1,4-Dioxane	7.346	88	2568m	0.094	ppbv	
41) Tetrahydrofuran	5.600	42	5430m	0.081	ppbv	
42) Bromodichloromethane	7.256	83	13295m	0.093	ppbv	
43) Methyl Methacrylate	7.494	69	5038m	0.080	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	23853m	0.081	ppbv	
45) t-1,3-Dichloropropene	8.722	75	3433m	0.059	ppbv	

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

QLast Update : Fri Aug 02 03:13:29 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	5763m	0.068	ppbv	
47) 1,1,2-Trichloroethane	8.893	97	8153m	0.109	ppbv	
48) Dibromochloromethane	9.706	129	9301m	0.077	ppbv	
49) Bromoform	12.413	173	6934m	0.068	ppbv	
51) 2-Hexanone	9.593	43	11476m	0.082	ppbv	
52) Tetrachloroethene	10.619	164	6635m	0.097	ppbv	
53) Toluene	9.214	91	15020m	0.076	ppbv	
54) 1,2-Dibromoethane	10.015	107	8801m	0.089	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.507	131	9134m	0.106	ppbv	
57) Chlorobenzene	11.526	112	19575m	0.124	ppbv	
58) Ethyl Benzene	12.085	91	18361m	0.072	ppbv	
59) m/p-Xylene	12.362	91	28092m	0.127	ppbv	
60) o-Xylene	13.069	91	13120m	0.063	ppbv	
61) Styrene	12.892	104	5537m	0.059	ppbv	
62) Isopropylbenzene	14.034	105	28282m	0.089	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.060	83	14949m	0.113	ppbv	
64) n-propylbenzene	14.915	120	5203m	0.063	ppbv	
65) tert-Butylbenzene	16.092	119	18441m	0.064	ppbv	
66) Benzyl Chloride	16.339	91	1397m	0.076	ppbv	
67) sec-Butylbenzene	16.648	105	27359m	0.069	ppbv	
69) p-Isopropyltoluene	17.005	119	19164m	0.058	ppbv	
70) n-Butylbenzene	17.905	91	21133m	0.063	ppbv	
71) 2-Chlorotoluene	14.805	91	16551m	0.071	ppbv	
72) 4-Ethyltoluene	15.191	105	14548m	0.059	ppbv	
73) 1,3,5-Trimethylbenzene	15.342	105	15947m	0.075	ppbv	
74) 1,2,4-Trimethylbenzene	16.111	105	15783m	0.064	ppbv	
75) 1,3-Dichlorobenzene	16.326	146	15552m	0.100	ppbv	
76) 1,4-Dichlorobenzene	16.474	146	14545m	0.097	ppbv	
77) 1,2-Dichlorobenzene	17.153	146	13988m	0.091	ppbv	
78) Hexachloro-1,3-Butadiene	22.644	225	16179m	0.123	ppbv	
79) Naphthalene	21.394	128	10894m	0.050	ppbv	
81) 1,2,4-Trichlorobenzene	21.172	180	8331m	0.064	ppbv	

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

