

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050924\
 Data File : VL041255.D
 Acq On : 9 May 2024 12:45
 Operator : SY/MD
 Sample : P2403-15 MDL 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2024

Quant Time: May 10 01:59:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri May 10 01:23:08 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/10/2024
 Supervised By : Mahesh Dadoda 05/10/2024

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

Internal Standards						
1) Bromochloromethane	5.211	49	758857	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2003593	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	1830382	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1407371	10.185	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.755	85	16828m	0.164	ppbv	
3) Chlorodifluoromethane	2.697	51	13439	0.117	ppbv	97
4) Chloromethane	2.835	50	4982	0.110	ppbv	92
5) Vinyl Chloride	2.944	62	4778	0.105	ppbv #	87
6) Bromomethane	3.144	94	1844m	0.111	ppbv	
7) Chloroethane	3.224	64	1681m	0.105	ppbv	
8) Dichlorotetrafluoroethane	2.880	85	12371	0.116	ppbv	94
9) Propene	2.719	41	7339m	0.163	ppbv	
10) Heptane	7.606	43	10030m	0.092	ppbv	
11) Trichlorofluoromethane	3.584	101	10806	0.104	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.086	101	8456	0.110	ppbv	89
13) Ethanol	3.285	45	1663m	0.164	ppbv	
14) Bromoethene	3.388	108	3715	0.117	ppbv #	86
15) Acetone	3.517	43	20665	0.231	ppbv #	85
16) 1,3-Butadiene	3.005	39	5268m	0.117	ppbv	
17) tert-Butyl alcohol	3.928	59	10050m	0.104	ppbv	
18) 1,1-Dichloroethene	3.906	96	3969m	0.115	ppbv	
19) Isopropyl Alcohol	3.623	45	6519m	0.111	ppbv	
20) Methylene Chloride	3.957	84	8566m	0.275	ppbv	
21) Allyl Chloride	4.018	41	6866m	0.118	ppbv	
22) trans-1,2-Dichloroethene	4.471	96	4499m	0.126	ppbv	
23) Vinyl Acetate	4.658	43	8800m	0.089	ppbv	
24) 1,1-Dichloroethane	4.584	63	9181m	0.120	ppbv	
25) Ethyl Acetate	5.237	43	16976m	0.095	ppbv	
26) Hexane	5.237	57	8117m	0.102	ppbv	
27) Carbon Disulfide	4.150	76	8551	0.091	ppbv #	69
28) Methyl tert-Butyl Ether	4.626	73	6665m	0.105	ppbv	
29) Chloroform	5.291	83	11177	0.102	ppbv	87
30) Cyclohexane	6.623	84	6042m	0.096	ppbv	
31) cis-1,2-Dichloroethene	5.105	61	8199m	0.110	ppbv	
32) 1,1,1-Trichloroethane	6.018	97	11015m	0.100	ppbv	
34) 2-Butanone	4.828	43	13646m	0.134	ppbv	
35) Carbon Tetrachloride	6.510	117	11894m	0.106	ppbv	
36) Benzene	6.388	78	16684m	0.099	ppbv	
37) 1,2-Dichloroethane	5.832	62	9715	0.111	ppbv #	94
38) Trichloroethene	7.314	130	7088m	0.113	ppbv	
39) 1,2-Dichloropropane	7.095	63	8054m	0.124	ppbv	
40) 1,4-Dioxane	7.362	88	2583m	0.112	ppbv	
41) Tetrahydrofuran	5.623	42	6182m	0.084	ppbv	
42) Bromodichloromethane	7.266	83	13341m	0.106	ppbv	
43) Methyl Methacrylate	7.497	69	5863m	0.086	ppbv	
44) 2,2,4-Trimethylpentane	7.349	57	25878m	0.089	ppbv	
45) t-1,3-Dichloropropene	8.729	75	3263m	0.066	ppbv	

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

QLast Update : Fri May 10 01:23:08 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.169	75	4846m	0.080	ppbv	
47) 1,1,2-Trichloroethane	8.915	97	6131m	0.095	ppbv	
48) Dibromochloromethane	9.725	129	8868m	0.086	ppbv	
49) Bromoform	12.420	173	6541m	0.074	ppbv	
50) 4-Methyl-2-Pentanone	8.237	43	15872m	0.087	ppbv	
51) 2-Hexanone	9.600	43	10940m	0.081	ppbv	
52) Tetrachloroethene	10.638	164	6381m	0.108	ppbv	
53) Toluene	9.243	91	16464m	0.084	ppbv	
54) 1,2-Dibromoethane	10.031	107	7549m	0.086	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.523	131	7623m	0.103	ppbv	
57) Chlorobenzene	11.536	112	16324m	0.122	ppbv	
58) Ethyl Benzene	12.098	91	22628m	0.090	ppbv	
59) m/p-Xylene	12.391	91	35467m	0.168	ppbv	
60) o-Xylene	13.076	91	16785m	0.085	ppbv	
61) Styrene	12.928	104	7553m	0.072	ppbv	
62) Isopropylbenzene	14.043	105	28401m	0.096	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.076	83	15747m	0.117	ppbv	
64) n-propylbenzene	14.944	120	7277m	0.099	ppbv	
65) tert-Butylbenzene	16.117	119	23419m	0.088	ppbv	
66) Benzyl Chloride	16.365	91	1396m	0.047	ppbv	
67) sec-Butylbenzene	16.657	105	32085m	0.086	ppbv	
69) p-Isopropyltoluene	17.011	119	24579m	0.080	ppbv	
70) n-Butylbenzene	17.918	91	24435m	0.076	ppbv	
71) 2-Chlorotoluene	14.825	91	22615m	0.100	ppbv	
72) 4-Ethyltoluene	15.204	105	19001m	0.085	ppbv	
73) 1,3,5-Trimethylbenzene	15.365	105	18413m	0.091	ppbv	
74) 1,2,4-Trimethylbenzene	16.127	105	17891m	0.081	ppbv	
75) 1,3-Dichlorobenzene	16.346	146	13806m	0.109	ppbv	
76) 1,4-Dichlorobenzene	16.494	146	13813m	0.113	ppbv	
77) 1,2-Dichlorobenzene	17.166	146	13215m	0.104	ppbv	
78) Hexachloro-1,3-Butadiene	22.644	225	11847m	0.105	ppbv	
79) Naphthalene	21.407	128	10225m	0.049	ppbv	
81) 1,2,4-Trichlorobenzene	21.162	180	7104m	0.064	ppbv	

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

