

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050924\
 Data File : VL041254.D
 Acq On : 9 May 2024 12:07
 Operator : SY/MD
 Sample : P2403-15 MDL 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: May 10 01:26:06 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	5.208	49	746047	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.667	114	2055920	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	1891052	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	1447270	10.137	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.754	85	63797	0.632	ppbv	99
3) Chlorodifluoromethane	2.700	51	55424	0.489	ppbv	98
4) Chloromethane	2.835	50	21587	0.486	ppbv #	85
5) Vinyl Chloride	2.941	62	19006	0.426	ppbv	94
6) Bromomethane	3.140	94	8542m	0.524	ppbv	
7) Chloroethane	3.217	64	7681m	0.487	ppbv	
8) Dichlorotetrafluoroethane	2.880	85	47577	0.455	ppbv	95
9) Propene	2.716	41	21095	0.476	ppbv	97
10) Heptane	7.593	43	44431m	0.414	ppbv	
11) Trichlorofluoromethane	3.584	101	49669	0.484	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.086	101	36157	0.477	ppbv	93
13) Ethanol	3.282	45	4728m	0.476	ppbv	
14) Bromoethene	3.388	108	13242	0.423	ppbv #	89
15) Acetone	3.507	43	45307	0.515	ppbv #	88
16) 1,3-Butadiene	3.005	39	19194m	0.432	ppbv	
17) tert-Butyl alcohol	3.915	59	33333m	0.351	ppbv	
18) 1,1-Dichloroethene	3.902	96	16625m	0.492	ppbv	
19) Isopropyl Alcohol	3.626	45	23141m	0.401	ppbv	
20) Methylene Chloride	3.954	84	16337	0.534	ppbv #	81
21) Allyl Chloride	4.018	41	23273m	0.405	ppbv	
22) trans-1,2-Dichloroethene	4.471	96	15758	0.448	ppbv #	74
23) Vinyl Acetate	4.651	43	36702m	0.379	ppbv	
24) 1,1-Dichloroethane	4.584	63	32417	0.430	ppbv #	94
25) Ethyl Acetate	5.230	43	72347m	0.412	ppbv	
26) Hexane	5.233	57	32119m	0.410	ppbv	
27) Carbon Disulfide	4.147	76	36211	0.390	ppbv #	71
28) Methyl tert-Butyl Ether	4.623	73	25176m	0.403	ppbv	
29) Chloroform	5.295	83	53592	0.495	ppbv	87
30) Cyclohexane	6.619	84	28045m	0.452	ppbv	
31) cis-1,2-Dichloroethene	5.095	61	29191	0.398	ppbv	94
32) 1,1,1-Trichloroethane	6.024	97	47334m	0.438	ppbv	
34) 2-Butanone	4.819	43	40234m	0.384	ppbv	
35) Carbon Tetrachloride	6.510	117	47371m	0.411	ppbv	
36) Benzene	6.388	78	67652	0.392	ppbv	95
37) 1,2-Dichloroethane	5.828	62	41046m	0.456	ppbv	
38) Trichloroethene	7.304	130	26488	0.412	ppbv	97
39) 1,2-Dichloropropane	7.089	63	27428m	0.413	ppbv	
40) 1,4-Dioxane	7.346	88	8620m	0.363	ppbv	
41) Tetrahydrofuran	5.600	42	27419m	0.362	ppbv	
42) Bromodichloromethane	7.266	83	51056	0.395	ppbv #	86
43) Methyl Methacrylate	7.497	69	23684	0.339	ppbv	99
44) 2,2,4-Trimethylpentane	7.339	57	105748	0.355	ppbv	92
45) t-1,3-Dichloropropene	8.722	75	12979m	0.257	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	21596m	0.349	ppbv	
47) 1,1,2-Trichloroethane	8.909	97	30639m	0.460	ppbv	
48) Dibromochloromethane	9.728	129	40647	0.383	ppbv	96
49) Bromoform	12.420	173	29955m	0.332	ppbv	
50) 4-Methyl-2-Pentanone	8.214	43	73281m	0.390	ppbv	
51) 2-Hexanone	9.590	43	49414m	0.355	ppbv	
52) Tetrachloroethene	10.629	164	25058	0.413	ppbv	93
53) Toluene	9.237	91	72204	0.361	ppbv	96
54) 1,2-Dibromoethane	10.024	107	34293	0.380	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.523	131	34177m	0.446	ppbv	
57) Chlorobenzene	11.539	112	59154	0.427	ppbv #	97
58) Ethyl Benzene	12.101	91	94793	0.366	ppbv	98
59) m/p-Xylene	12.381	91	170653m	0.783	ppbv	
60) o-Xylene	13.072	91	82411m	0.403	ppbv	
61) Styrene	12.912	104	34332m	0.318	ppbv	
62) Isopropylbenzene	14.040	105	124979	0.409	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.060	83	63985m	0.460	ppbv	
64) n-propylbenzene	14.934	120	32067m	0.421	ppbv	
65) tert-Butylbenzene	16.098	119	112512m	0.411	ppbv	
66) Benzyl Chloride	16.355	91	6045m	0.195	ppbv	
67) sec-Butylbenzene	16.651	105	158060m	0.410	ppbv	
69) p-Isopropyltoluene	17.008	119	124379m	0.392	ppbv	
70) n-Butylbenzene	17.902	91	119642	0.361	ppbv	99
71) 2-Chlorotoluene	14.818	91	97886m	0.421	ppbv	
72) 4-Ethyltoluene	15.211	105	94766m	0.410	ppbv	
73) 1,3,5-Trimethylbenzene	15.365	105	81842m	0.391	ppbv	
74) 1,2,4-Trimethylbenzene	16.120	105	92058m	0.403	ppbv	
75) 1,3-Dichlorobenzene	16.349	146	55092m	0.420	ppbv	
76) 1,4-Dichlorobenzene	16.487	146	53651m	0.426	ppbv	
77) 1,2-Dichlorobenzene	17.153	146	55617m	0.424	ppbv	
78) Hexachloro-1,3-Butadiene	22.651	225	49532m	0.425	ppbv	
79) Naphthalene	21.403	128	55294m	0.254	ppbv	
80) Naphthalene,2-methyl-	24.438	142	9221m	0.105	ppbv	
81) 1,2,4-Trichlorobenzene	21.165	180	33369m	0.290	ppbv	

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

