

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041763.D
 Acq On : 16 Dec 2024 21:52
 Operator : SY/MD
 Sample : MDL 0.4
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 20 03:31:26 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Dec 19 07:32:09 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	60563	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	159774	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	141129	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 117349 9.978 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	5095	0.473	ppbv	98
3) Chlorodifluoromethane	1.476	51	4117	0.417	ppbv	98
4) Chloromethane	1.534	50	1950	0.462	ppbv #	87
5) Vinyl Chloride	1.580	62	1788	0.421	ppbv	98
6) Bromomethane	1.667	94	899	0.448	ppbv	98
7) Chloroethane	1.703	64	805	0.488	ppbv	94
8) Dichlorotetrafluoroethane	1.554	85	4233	0.439	ppbv	95
9) Propene	1.482	41	1817m	0.424	ppbv	
10) Heptane	4.985	43	4067m	0.370	ppbv	
11) Trichlorofluoromethane	1.877	101	5146	0.450	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	3936	0.452	ppbv	98
13) Ethanol	1.719	45	262	0.739	ppbv	97
14) Bromoethene	1.784	108	1195	0.407	ppbv #	83
15) Acetone	1.835	43	6950	0.590	ppbv	96
16) 1,3-Butadiene	1.609	39	2096	0.452	ppbv	94
17) tert-Butyl alcohol	2.042	59	5049	0.432	ppbv #	90
18) 1,1-Dichloroethene	2.036	96	1660	0.455	ppbv	86
19) Isopropyl Alcohol	1.887	45	4291	0.607	ppbv #	38
20) Methylene Chloride	2.062	84	1862	0.554	ppbv	89
21) Allyl Chloride	2.097	41	2831	0.443	ppbv	95
22) trans-1,2-Dichloroethene	2.343	96	1712m	0.410	ppbv	
23) Vinyl Acetate	2.463	43	1841	0.336	ppbv #	80
24) 1,1-Dichloroethane	2.411	63	3825	0.452	ppbv #	94
25) Ethyl Acetate	2.839	43	9296	0.424	ppbv	98
26) Hexane	2.826	57	3181	0.382	ppbv	84
27) Carbon Disulfide	2.152	76	2200	0.293	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	2766	0.410	ppbv	99
29) Chloroform	2.852	83	5746	0.453	ppbv	99
30) Cyclohexane	3.865	84	2922m	0.413	ppbv	
31) cis-1,2-Dichloroethene	2.719	61	3595	0.418	ppbv	89
32) 1,1,1-Trichloroethane	3.369	97	4905	0.381	ppbv	92
34) 2-Butanone	2.560	43	5881	0.458	ppbv	100
35) Carbon Tetrachloride	3.764	117	4393	0.387	ppbv	98
36) Benzene	3.658	78	6985	0.423	ppbv	94
37) 1,2-Dichloroethane	3.217	62	4760	0.463	ppbv #	96
38) Trichloroethene	4.548	130	2906m	0.414	ppbv	
39) 1,2-Dichloropropane	4.318	63	2484m	0.416	ppbv	
40) 1,4-Dioxane	4.606	88	1240m	0.425	ppbv	
41) Tetrahydrofuran	3.072	42	2810m	0.390	ppbv	
42) Bromodichloromethane	4.489	83	4214m	0.356	ppbv	
43) Methyl Methacrylate	4.881	69	2290m	0.364	ppbv	
44) 2,2,4-Trimethylpentane	4.645	57	10909m	0.387	ppbv	
45) t-1,3-Dichloropropene	6.428	75	1812m	0.278	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041763.D
 Acq On : 16 Dec 2024 21:52
 Operator : SY/MD
 Sample : MDL 0.4
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 20 03:31:26 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Dec 19 07:32:09 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.612	75	2875m	0.348	ppbv	
47) 1,1,2-Trichloroethane	6.593	97	2678m	0.429	ppbv	
48) Dibromochloromethane	7.393	129	2633	0.309	ppbv	95
49) Bromoform	9.490	173	1986	0.285	ppbv	93
50) 4-Methyl-2-Pentanone	5.774	43	6576m	0.376	ppbv	
51) 2-Hexanone	7.461	43	4819m	0.340	ppbv	
52) Tetrachloroethene	8.228	164	2497	0.406	ppbv	90
53) Toluene	6.936	91	6905m	0.369	ppbv	
54) 1,2-Dibromoethane	7.655	107	3197m	0.372	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.924	131	3128	0.418	ppbv #	1
57) Chlorobenzene	8.927	112	6380	0.442	ppbv #	87
58) Ethyl Benzene	9.360	91	9390	0.370	ppbv	92
59) m/p-Xylene	9.542	91	15341m	0.751	ppbv	
60) o-Xylene	9.969	91	7072m	0.345	ppbv	
61) Styrene	9.875	104	2611	0.295	ppbv	96
62) Isopropylbenzene	10.542	105	11584	0.376	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.966	83	5185	0.404	ppbv	98
64) n-propylbenzene	10.995	120	2616	0.336	ppbv	89
65) tert-Butylbenzene	11.536	119	10422	0.375	ppbv	96
66) Benzyl Chloride	11.616	91	760	0.311	ppbv #	83
67) sec-Butylbenzene	11.769	105	14503	0.377	ppbv	95
69) p-Isopropyltoluene	11.930	119	10524	0.332	ppbv	97
70) n-Butylbenzene	12.286	91	9991	0.327	ppbv	96
71) 2-Chlorotoluene	10.901	91	8740	0.372	ppbv	99
72) 4-Ethyltoluene	11.128	105	8385	0.347	ppbv	98
73) 1,3,5-Trimethylbenzene	11.209	105	6863	0.342	ppbv	95
74) 1,2,4-Trimethylbenzene	11.539	105	7498	0.348	ppbv #	86
75) 1,3-Dichlorobenzene	11.610	146	5973	0.434	ppbv	94
76) 1,4-Dichlorobenzene	11.675	146	5780	0.425	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	5668	0.428	ppbv	97
78) Hexachloro-1,3-Butadiene	13.885	225	4193	0.427	ppbv	95
79) Naphthalene	13.516	128	3904	0.260	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	403	0.087	ppbv #	85
81) 1,2,4-Trichlorobenzene	13.442	180	2717	0.331	ppbv	97

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

