

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041910.D
 Acq On : 15 Jan 2025 01:23
 Operator : SY/MD
 Sample : MDL 0.4
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4

Quant Time: Jan 15 04:24:25 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M

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

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

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

Internal Standards						
1) Bromochloromethane	2.793	49	130988	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	383486	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	331507	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 263768 10.102 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	8967	0.503	ppbv	97
3) Chlorodifluoromethane	1.479	51	7932	0.424	ppbv	98
4) Chloromethane	1.534	50	3016	0.449	ppbv	100
5) Vinyl Chloride	1.583	62	2967	0.437	ppbv #	78
6) Bromomethane	1.670	94	1607	0.496	ppbv	84
7) Chloroethane	1.709	64	1313	0.497	ppbv	96
8) Dichlorotetrafluoroethane	1.557	85	7141	0.458	ppbv	98
9) Propene	1.486	41	3711	0.482	ppbv	93
10) Heptane	4.991	43	7605m	0.370	ppbv	
11) Trichlorofluoromethane	1.884	101	8796	0.474	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.146	101	6865	0.472	ppbv	99
13) Ethanol	1.725	45	205m	0.363	ppbv	
14) Bromoethene	1.787	108	2785	0.523	ppbv #	88
15) Acetone	1.842	43	8397	0.534	ppbv	100
16) 1,3-Butadiene	1.612	39	3633	0.514	ppbv	92
17) tert-Butyl alcohol	2.049	59	7929	0.409	ppbv #	94
18) 1,1-Dichloroethene	2.039	96	3242	0.495	ppbv	93
19) Isopropyl Alcohol	1.894	45	4710	0.505	ppbv #	36
20) Methylene Chloride	2.065	84	3537	0.569	ppbv	98
21) Allyl Chloride	2.098	41	5459	0.501	ppbv	99
22) trans-1,2-Dichloroethene	2.347	96	3581	0.484	ppbv	82
23) Vinyl Acetate	2.470	43	3393	0.435	ppbv #	85
24) 1,1-Dichloroethane	2.415	63	6845	0.478	ppbv	98
25) Ethyl Acetate	2.845	43	16146	0.381	ppbv	99
26) Hexane	2.832	57	6441	0.384	ppbv	91
27) Carbon Disulfide	2.153	76	6680	0.402	ppbv #	1
28) Methyl tert-Butyl Ether	2.450	73	6701	0.523	ppbv	94
29) Chloroform	2.855	83	12130	0.457	ppbv	93
30) Cyclohexane	3.862	84	5103m	0.351	ppbv	
31) cis-1,2-Dichloroethene	2.725	61	7359	0.417	ppbv	93
32) 1,1,1-Trichloroethane	3.376	97	10990	0.433	ppbv	96
34) 2-Butanone	2.570	43	10797	0.443	ppbv	96
35) Carbon Tetrachloride	3.771	117	10111	0.420	ppbv	93
36) Benzene	3.664	78	14372	0.409	ppbv	94
37) 1,2-Dichloroethane	3.224	62	9178	0.465	ppbv	97
38) Trichloroethene	4.557	130	6133m	0.439	ppbv	
39) 1,2-Dichloropropane	4.324	63	5207m	0.422	ppbv	
40) 1,4-Dioxane	4.616	88	2915m	0.468	ppbv	
41) Tetrahydrofuran	3.075	42	5546m	0.418	ppbv	
42) Bromodichloromethane	4.499	83	10712	0.404	ppbv	98
43) Methyl Methacrylate	4.897	69	4574m	0.350	ppbv	
44) 2,2,4-Trimethylpentane	4.648	57	22078m	0.388	ppbv	
45) t-1,3-Dichloropropene	6.425	75	4004m	0.327	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041910.D
 Acq On : 15 Jan 2025 01:23
 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 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 04:24:25 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M

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

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.616	75	5412m	0.337	ppbv	
47) 1,1,2-Trichloroethane	6.596	97	6083m	0.465	ppbv	
48) Dibromochloromethane	7.402	129	7625m	0.378	ppbv	
49) Bromoform	9.490	173	5708	0.344	ppbv	96
50) 4-Methyl-2-Pentanone	5.784	43	12237m	0.368	ppbv	
51) 2-Hexanone	7.464	43	9136m	0.357	ppbv	
52) Tetrachloroethene	8.231	164	5631m	0.462	ppbv	
53) Toluene	6.943	91	13747m	0.359	ppbv	
54) 1,2-Dibromoethane	7.665	107	7737m	0.430	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.937	131	6623	0.400	ppbv #	1
57) Chlorobenzene	8.930	112	14081	0.460	ppbv	94
58) Ethyl Benzene	9.361	91	18372	0.355	ppbv	92
59) m/p-Xylene	9.542	91	28617m	0.689	ppbv	
60) o-Xylene	9.972	91	14629	0.355	ppbv	96
61) Styrene	9.872	104	5738m	0.310	ppbv	
62) Isopropylbenzene	10.548	105	24008	0.376	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.972	83	11317	0.430	ppbv	98
64) n-propylbenzene	10.998	120	5289	0.328	ppbv	90
65) tert-Butylbenzene	11.536	119	21293	0.366	ppbv	98
66) Benzyl Chloride	11.620	91	1227	0.341	ppbv	96
67) sec-Butylbenzene	11.775	105	28977	0.362	ppbv	99
69) p-Isopropyltoluene	11.930	119	23467	0.356	ppbv	98
70) n-Butylbenzene	12.290	91	22345	0.342	ppbv	99
71) 2-Chlorotoluene	10.908	91	17713	0.375	ppbv	96
72) 4-Ethyltoluene	11.131	105	16076	0.326	ppbv	97
73) 1,3,5-Trimethylbenzene	11.209	105	14764	0.339	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	18217	0.386	ppbv	92
75) 1,3-Dichlorobenzene	11.613	146	12404	0.444	ppbv	95
76) 1,4-Dichlorobenzene	11.678	146	11214	0.410	ppbv	90
77) 1,2-Dichlorobenzene	11.953	146	11890	0.429	ppbv	93
78) Hexachloro-1,3-Butadiene	13.885	225	9661	0.425	ppbv	97
79) Naphthalene	13.520	128	15024	0.316	ppbv	98
80) Naphthalene,2-methyl-	14.468	142	5673	0.252	ppbv	96
81) 1,2,4-Trichlorobenzene	13.448	180	8374	0.361	ppbv	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
Data File : VL041910.D
Acq On : 15 Jan 2025 01:23
Operator : SY/MD
Sample : MDL 0.4
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL 0.4

Quant Time: Jan 15 04:24:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 01/15/2025
Supervised By : Mahesh Dadoda 01/15/2025

