

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL013023\
 Data File : VL040132.D
 Acq On : 30 Jan 2023 14:39
 Operator : SY/MD
 Sample : N4955-14 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2022

Quant Time: Jan 31 05:26:13 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

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

QLast Update : Tue Jan 31 05:24:57 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/31/2023
 Supervised By : Mahesh Dadoda 01/31/2023

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

Internal Standards						
1) Bromochloromethane	5.179	49	841930	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2277077	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2042379	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 1628623 9.595 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.900%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.713	85	91278m	0.618	ppbv	
3) Chlorodifluoromethane	2.658	51	49983m	0.495	ppbv	
4) Chloromethane	2.796	50	36285	0.581	ppbv	93
5) Vinyl Chloride	2.902	62	27284	0.516	ppbv	95
6) Bromomethane	3.102	94	10180m	0.527	ppbv	
7) Chloroethane	3.182	64	9937	0.491	ppbv #	86
8) Dichlorotetrafluoroethane	2.841	85	76217	0.553	ppbv	99
9) Propene	2.677	41	22428	0.535	ppbv	92
10) Heptane	7.574	43	50061m	0.518	ppbv	
11) Trichlorofluoromethane	3.549	101	74502	0.506	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.054	101	55907	0.505	ppbv	96
13) Ethanol	3.246	45	2245m	0.581	ppbv	
14) Bromoethene	3.353	108	20861m	0.507	ppbv	
15) Acetone	3.468	43	64244m	0.636	ppbv	
16) 1,3-Butadiene	2.970	39	26285m	0.558	ppbv	
17) tert-Butyl alcohol	3.883	59	53157m	0.565	ppbv	
18) 1,1-Dichloroethene	3.864	96	23729	0.493	ppbv	98
19) Isopropyl Alcohol	3.578	45	28201	0.571	ppbv #	97
20) Methylene Chloride	3.918	84	34490	0.774	ppbv	95
21) Allyl Chloride	3.980	41	31758	0.490	ppbv	96
22) trans-1,2-Dichloroethene	4.433	96	24946m	0.507	ppbv	
23) Vinyl Acetate	4.616	43	19023m	0.581	ppbv	
24) 1,1-Dichloroethane	4.552	63	49960	0.504	ppbv	97
25) Ethyl Acetate	5.198	43	103524	0.582	ppbv #	98
26) Hexane	5.201	57	46833	0.602	ppbv	94
27) Carbon Disulfide	4.111	76	45232	0.448	ppbv #	84
28) Methyl tert-Butyl Ether	4.587	73	45296	0.517	ppbv	98
29) Chloroform	5.266	83	73718m	0.592	ppbv	
30) Cyclohexane	6.597	84	32953m	0.532	ppbv	
31) cis-1,2-Dichloroethene	5.066	61	41951	0.557	ppbv	85
32) 1,1,1-Trichloroethane	5.996	97	66915	0.529	ppbv	97
34) 2-Butanone	4.787	43	55949	0.519	ppbv	97
35) Carbon Tetrachloride	6.484	117	70847	0.550	ppbv	93
36) Benzene	6.359	78	88042	0.522	ppbv	95
37) 1,2-Dichloroethane	5.790	62	54351m	0.502	ppbv	
38) Trichloroethene	7.285	130	49749	0.520	ppbv	93
39) 1,2-Dichloropropane	7.060	63	35977	0.546	ppbv #	77
40) 1,4-Dioxane	7.317	88	15314m	0.585	ppbv	
41) Tetrahydrofuran	5.574	42	28390	0.457	ppbv	93
42) Bromodichloromethane	7.240	83	70805	0.484	ppbv	99
43) Methyl Methacrylate	7.471	69	28467	0.460	ppbv	96
44) 2,2,4-Trimethylpentane	7.317	57	137599	0.491	ppbv	95
45) t-1,3-Dichloropropene	8.706	75	21950	0.398	ppbv	91

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Manual Integrations
 APPROVED

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	33711m	0.447	ppbv	
47) 1,1,2-Trichloroethane	8.889	97	36425	0.525	ppbv #	89
48) Dibromochloromethane	9.696	129	52900m	0.474	ppbv	
49) Bromoform	12.400	173	38858m	0.452	ppbv	
50) 4-Methyl-2-Pentanone	8.195	43	77265m	0.456	ppbv	
51) 2-Hexanone	9.568	43	56378m	0.439	ppbv	
52) Tetrachloroethene	10.606	164	30168	0.547	ppbv	92
53) Toluene	9.211	91	85305	0.475	ppbv	97
54) 1,2-Dibromoethane	10.002	107	38603m	0.531	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.497	131	42740m	0.538	ppbv	
57) Chlorobenzene	11.519	112	77690	0.558	ppbv #	87
58) Ethyl Benzene	12.079	91	110815	0.486	ppbv	98
59) m/p-Xylene	12.362	91	207634m	1.013	ppbv	
60) o-Xylene	13.056	91	94421	0.485	ppbv	96
61) Styrene	12.892	104	41948	0.414	ppbv	96
62) Isopropylbenzene	14.027	105	148788	0.532	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.053	83	37435m	0.530	ppbv	
64) n-propylbenzene	14.912	120	34868	0.501	ppbv	97
65) tert-Butylbenzene	16.088	119	119816m	0.500	ppbv	
66) Benzyl Chloride	16.323	91	7517m	0.459	ppbv	
67) sec-Butylbenzene	16.638	105	168234	0.495	ppbv	99
69) p-Isopropyltoluene	16.992	119	129942m	0.487	ppbv	
70) n-Butylbenzene	17.886	91	133857	0.465	ppbv	98
71) 2-Chlorotoluene	14.799	91	104230	0.484	ppbv	97
72) 4-Ethyltoluene	15.191	105	100830	0.467	ppbv	96
73) 1,3,5-Trimethylbenzene	15.352	105	98303m	0.506	ppbv	
74) 1,2,4-Trimethylbenzene	16.108	105	106556	0.495	ppbv	95
75) 1,3-Dichlorobenzene	16.326	146	60713m	0.508	ppbv	
76) 1,4-Dichlorobenzene	16.477	146	63496m	0.540	ppbv	
77) 1,2-Dichlorobenzene	17.140	146	60810m	0.532	ppbv	
78) Hexachloro-1,3-Butadiene	22.638	225	47780m	0.570	ppbv	
79) Naphthalene	21.397	128	54640m	0.443	ppbv	
80) Naphthalene,2-methyl-	24.394	142	13812m	0.332	ppbv	
81) 1,2,4-Trichlorobenzene	21.143	180	35807m	0.471	ppbv	

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

Manual Integrations

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