

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL013023\
 Data File : VL040138.D
 Acq On : 30 Jan 2023 18:22
 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 05:30:34 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	782301	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2067313	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.461	117	1873057	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.773	95	1586979	10.194	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.713	85	82340m	0.600	ppbv	
3) Chlorodifluoromethane	2.658	51	53689	0.572	ppbv	99
4) Chloromethane	2.796	50	31936	0.551	ppbv	97
5) Vinyl Chloride	2.906	62	24844	0.505	ppbv	95
6) Bromomethane	3.102	94	8791	0.490	ppbv #	78
7) Chloroethane	3.182	64	9624	0.512	ppbv	99
8) Dichlorotetrafluoroethane	2.838	85	70183	0.548	ppbv	98
9) Propene	2.677	41	19695	0.505	ppbv	99
10) Heptane	7.571	43	39808m	0.443	ppbv	
11) Trichlorofluoromethane	3.545	101	71794	0.524	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.050	101	55141	0.536	ppbv	97
13) Ethanol	3.246	45	1811m	0.505	ppbv	
14) Bromoethene	3.353	108	18992m	0.497	ppbv	
15) Acetone	3.471	43	53753	0.573	ppbv	93
16) 1,3-Butadiene	2.973	39	20206	0.462	ppbv	92
17) tert-Butyl alcohol	3.880	59	43269	0.495	ppbv #	93
18) 1,1-Dichloroethene	3.864	96	22042	0.493	ppbv	98
19) Isopropyl Alcohol	3.578	45	23539	0.513	ppbv #	90
20) Methylene Chloride	3.915	84	23701	0.573	ppbv	89
21) Allyl Chloride	3.983	41	29042	0.482	ppbv	92
22) trans-1,2-Dichloroethene	4.433	96	22175	0.485	ppbv	93
23) Vinyl Acetate	4.623	43	18222m	0.599	ppbv	
24) 1,1-Dichloroethane	4.549	63	51251	0.556	ppbv	99
25) Ethyl Acetate	5.198	43	84621	0.512	ppbv	98
26) Hexane	5.201	57	34728m	0.480	ppbv	
27) Carbon Disulfide	4.115	76	37513m	0.400	ppbv	
28) Methyl tert-Butyl Ether	4.587	73	40579	0.499	ppbv	98
29) Chloroform	5.256	83	69530	0.601	ppbv	89
30) Cyclohexane	6.590	84	25760m	0.448	ppbv	
31) cis-1,2-Dichloroethene	5.063	61	36781	0.525	ppbv	94
32) 1,1,1-Trichloroethane	5.992	97	59005	0.502	ppbv	94
34) 2-Butanone	4.783	43	51278	0.524	ppbv	97
35) Carbon Tetrachloride	6.481	117	60326m	0.516	ppbv	
36) Benzene	6.359	78	69775	0.456	ppbv	96
37) 1,2-Dichloroethane	5.793	62	49180	0.500	ppbv	99
38) Trichloroethene	7.275	130	42446m	0.489	ppbv	
39) 1,2-Dichloropropane	7.060	63	30871	0.516	ppbv	96
40) 1,4-Dioxane	7.323	88	11937m	0.503	ppbv	
41) Tetrahydrofuran	5.571	42	25355m	0.449	ppbv	
42) Bromodichloromethane	7.237	83	60704	0.457	ppbv #	95
43) Methyl Methacrylate	7.475	69	22601m	0.403	ppbv	
44) 2,2,4-Trimethylpentane	7.314	57	120927	0.475	ppbv	93
45) t-1,3-Dichloropropene	8.709	75	18405m	0.368	ppbv	

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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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	26814m	0.392	ppbv	
47) 1,1,2-Trichloroethane	8.886	97	31439	0.499	ppbv	93
48) Dibromochloromethane	9.700	129	43354m	0.428	ppbv	
49) Bromoform	12.400	173	32879	0.421	ppbv	100
50) 4-Methyl-2-Pentanone	8.192	43	67655m	0.440	ppbv	
51) 2-Hexanone	9.574	43	47578m	0.408	ppbv	
52) Tetrachloroethene	10.606	164	24682	0.493	ppbv #	81
53) Toluene	9.214	91	64343m	0.394	ppbv	
54) 1,2-Dibromoethane	9.995	107	31471m	0.477	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.497	131	38987m	0.535	ppbv	
57) Chlorobenzene	11.519	112	69167	0.542	ppbv	98
58) Ethyl Benzene	12.085	91	86227	0.413	ppbv #	86
59) m/p-Xylene	12.371	91	167644m	0.892	ppbv	
60) o-Xylene	13.053	91	75038	0.421	ppbv	99
61) Styrene	12.896	104	32497m	0.350	ppbv	
62) Isopropylbenzene	14.027	105	122741m	0.478	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.047	83	36069m	0.557	ppbv	
64) n-propylbenzene	14.918	120	28733m	0.450	ppbv	
65) tert-Butylbenzene	16.088	119	96813m	0.441	ppbv	
66) Benzyl Chloride	16.323	91	5987m	0.399	ppbv	
67) sec-Butylbenzene	16.632	105	139984	0.449	ppbv	97
69) p-Isopropyltoluene	16.995	119	100979	0.413	ppbv	94
70) n-Butylbenzene	17.889	91	112737	0.427	ppbv	95
71) 2-Chlorotoluene	14.799	91	86258m	0.437	ppbv	
72) 4-Ethyltoluene	15.188	105	80827	0.408	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.352	105	78481m	0.440	ppbv	
74) 1,2,4-Trimethylbenzene	16.104	105	92926m	0.471	ppbv	
75) 1,3-Dichlorobenzene	16.329	146	55165m	0.503	ppbv	
76) 1,4-Dichlorobenzene	16.474	146	51255m	0.475	ppbv	
77) 1,2-Dichlorobenzene	17.137	146	50618m	0.483	ppbv	
78) Hexachloro-1,3-Butadiene	22.625	225	40720m	0.530	ppbv	
79) Naphthalene	21.384	128	42707m	0.378	ppbv	
80) Naphthalene,2-methyl-	24.384	142	10649m	0.279	ppbv	
81) 1,2,4-Trichlorobenzene	21.146	180	29854m	0.428	ppbv	

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

