

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011623\
 Data File : VL040094.D
 Acq On : 16 Jan 2023 12:12
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jan 16 12:41:55 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 : Mon Jan 16 11:28:27 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/17/2023
 Supervised By : Mahesh Dadoda 01/17/2023

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

Internal Standards						
1) Bromochloromethane	5.189	49	1086207	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2937047	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2644223	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2216342	10.973	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 109.700%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.716	85	109016	0.536	ppbv	96
3) Chlorodifluoromethane	2.661	51	69438	0.433	ppbv	98
4) Chloromethane	2.803	50	43646	0.435	ppbv	94
5) Vinyl Chloride	2.909	62	33952	0.418	ppbv	97
6) Bromomethane	3.108	94	13178m	0.441	ppbv	
7) Chloroethane	3.189	64	13206m	0.431	ppbv	
8) Dichlorotetrafluoroethane	2.845	85	97652m	0.456	ppbv	
9) Propene	2.684	41	28945m	0.426	ppbv	
10) Heptane	7.581	43	54981	0.331	ppbv	97
11) Trichlorofluoromethane	3.555	101	98983m	0.448	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.057	101	74602m	0.446	ppbv	
13) Ethanol	3.243	45	2750m	0.430	ppbv	
14) Bromoethene	3.359	108	27521m	0.437	ppbv	
15) Acetone	3.475	43	70083	0.417	ppbv	99
16) 1,3-Butadiene	2.973	39	30092	0.412	ppbv	98
17) tert-Butyl alcohol	3.896	59	65032m	0.393	ppbv	
18) 1,1-Dichloroethene	3.874	96	33079m	0.454	ppbv	
19) Isopropyl Alcohol	3.587	45	35491m	0.429	ppbv	
20) Methylene Chloride	3.925	84	33433m	0.468	ppbv	
21) Allyl Chloride	3.989	41	39004	0.386	ppbv	89
22) trans-1,2-Dichloroethene	4.443	96	31018	0.427	ppbv	93
23) Vinyl Acetate	4.632	43	20883m	0.392	ppbv	
24) 1,1-Dichloroethane	4.562	63	66295	0.424	ppbv #	94
25) Ethyl Acetate	5.214	43	112126	0.385	ppbv	96
26) Hexane	5.211	57	52807m	0.432	ppbv	
27) Carbon Disulfide	4.121	76	53915m	0.349	ppbv	
28) Methyl tert-Butyl Ether	4.597	73	56142	0.389	ppbv	100
29) Chloroform	5.272	83	82563m	0.442	ppbv	
30) Cyclohexane	6.603	84	33486m	0.309	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	48928m	0.420	ppbv	
32) 1,1,1-Trichloroethane	5.999	97	84498m	0.423	ppbv	
34) 2-Butanone	4.800	43	65739	0.413	ppbv	98
35) Carbon Tetrachloride	6.494	117	78187	0.429	ppbv	95
36) Benzene	6.365	78	105242m	0.401	ppbv	
37) 1,2-Dichloroethane	5.803	62	69727	0.453	ppbv	99
38) Trichloroethene	7.295	130	60607m	0.450	ppbv	
39) 1,2-Dichloropropane	7.079	63	41515	0.422	ppbv	95
40) 1,4-Dioxane	7.327	88	17246m	0.389	ppbv	
41) Tetrahydrofuran	5.581	42	38047m	0.383	ppbv	
42) Bromodichloromethane	7.253	83	85366m	0.405	ppbv	
43) Methyl Methacrylate	7.481	69	31557m	0.321	ppbv	
44) 2,2,4-Trimethylpentane	7.333	57	167627	0.388	ppbv	97
45) t-1,3-Dichloropropene	8.719	75	26453m	0.318	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	35420	0.302	ppbv	91
47) 1,1,2-Trichloroethane	8.899	97	41344m	0.384	ppbv	
48) Dibromochloromethane	9.722	129	57181m	0.349	ppbv	
49) Bromoform	12.417	173	40999m	0.328	ppbv	
50) 4-Methyl-2-Pentanone	8.208	43	96653m	0.371	ppbv	
51) 2-Hexanone	9.578	43	66371m	0.328	ppbv	
52) Tetrachloroethene	10.626	164	34183m	0.383	ppbv	
53) Toluene	9.227	91	97090m	0.334	ppbv	
54) 1,2-Dibromoethane	10.015	107	43900m	0.379	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.513	131	48625m	0.399	ppbv	
57) Chlorobenzene	11.536	112	91467m	0.407	ppbv	
58) Ethyl Benzene	12.102	91	127625m	0.340	ppbv	
59) m/p-Xylene	12.378	91	235880m	0.721	ppbv	
60) o-Xylene	13.069	91	110300m	0.352	ppbv	
61) Styrene	12.912	104	50497m	0.300	ppbv	
62) Isopropylbenzene	14.037	105	168133	0.372	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.060	83	46056m	0.401	ppbv	
64) n-propylbenzene	14.934	120	39655m	0.347	ppbv	
65) tert-Butylbenzene	16.111	119	134720	0.343	ppbv	90
66) Benzyl Chloride	16.336	91	8706m	0.380	ppbv	
67) sec-Butylbenzene	16.651	105	192519	0.350	ppbv	96
69) p-Isopropyltoluene	17.008	119	142497	0.324	ppbv	93
70) n-Butylbenzene	17.905	91	153918	0.334	ppbv	98
71) 2-Chlorotoluene	14.812	91	124174	0.360	ppbv	95
72) 4-Ethyltoluene	15.204	105	121888m	0.350	ppbv	
73) 1,3,5-Trimethylbenzene	15.368	105	108109m	0.344	ppbv	
74) 1,2,4-Trimethylbenzene	16.124	105	121448	0.351	ppbv #	92
75) 1,3-Dichlorobenzene	16.352	146	72209m	0.381	ppbv	
76) 1,4-Dichlorobenzene	16.490	146	70078m	0.379	ppbv	
77) 1,2-Dichlorobenzene	17.162	146	68454m	0.377	ppbv	
78) Hexachloro-1,3-Butadiene	22.648	225	55758m	0.443	ppbv	
79) Naphthalene	21.407	128	58391m	0.283	ppbv	
80) Naphthalene,2-methyl-	24.394	142	21509m	0.341	ppbv	
81) 1,2,4-Trichlorobenzene	21.166	180	39910m	0.326	ppbv	

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

