

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041301.D
 Acq On : 4 Jun 2024 11:10
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024
 Supervised By :Mahesh Dadoda 06/05/2024

Quant Time: Jun 04 11:40:55 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Tue Jun 04 11:34:39 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.202	49	980259	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2591384	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2403049	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1866736 10.290 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	91015	0.686	ppbv	96
3) Chlorodifluoromethane	2.697	51	79809	0.536	ppbv	98
4) Chloromethane	2.838	50	30457	0.521	ppbv	93
5) Vinyl Chloride	2.948	62	30198	0.515	ppbv	88
6) Bromomethane	3.144	94	11598m	0.542	ppbv	
7) Chloroethane	3.218	64	10780	0.520	ppbv	98
8) Dichlorotetrafluoroethane	2.880	85	76312	0.556	ppbv	99
9) Propene	2.723	41	30194	0.518	ppbv	98
10) Heptane	7.584	43	63300m	0.448	ppbv	
11) Trichlorofluoromethane	3.581	101	72973	0.542	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.083	101	50727	0.509	ppbv	93
13) Ethanol	3.282	45	7033m	0.538	ppbv	
14) Bromoethene	3.388	108	21243	0.517	ppbv #	97
15) Acetone	3.501	43	58143	0.503	ppbv	95
16) 1,3-Butadiene	3.009	39	28865m	0.494	ppbv	
17) tert-Butyl alcohol	3.909	59	50284	0.403	ppbv	98
18) 1,1-Dichloroethene	3.899	96	20342	0.458	ppbv	97
19) Isopropyl Alcohol	3.613	45	32213	0.424	ppbv #	99
20) Methylene Chloride	3.948	84	24222	0.602	ppbv	96
21) Allyl Chloride	4.009	41	36104	0.479	ppbv	92
22) trans-1,2-Dichloroethene	4.462	96	22507	0.487	ppbv	94
23) Vinyl Acetate	4.645	43	51932	0.408	ppbv #	93
24) 1,1-Dichloroethane	4.578	63	51048	0.515	ppbv #	96
25) Ethyl Acetate	5.221	43	109354	0.474	ppbv	99
26) Hexane	5.218	57	53394m	0.518	ppbv	
27) Carbon Disulfide	4.144	76	49755	0.408	ppbv #	76
28) Methyl tert-Butyl Ether	4.607	73	36235	0.442	ppbv	94
29) Chloroform	5.285	83	75304	0.530	ppbv	85
30) Cyclohexane	6.603	84	40894m	0.501	ppbv	
31) cis-1,2-Dichloroethene	5.089	61	46307	0.480	ppbv	93
32) 1,1,1-Trichloroethane	6.009	97	73626	0.519	ppbv	98
34) 2-Butanone	4.812	43	59000	0.447	ppbv	94
35) Carbon Tetrachloride	6.500	117	75569	0.520	ppbv #	84
36) Benzene	6.375	78	99933	0.460	ppbv	98
37) 1,2-Dichloroethane	5.816	62	60182	0.530	ppbv	99
38) Trichloroethene	7.295	130	41452m	0.512	ppbv	
39) 1,2-Dichloropropane	7.079	63	41036m	0.490	ppbv	
40) 1,4-Dioxane	7.317	88	13365m	0.446	ppbv	
41) Tetrahydrofuran	5.584	42	39828m	0.417	ppbv	
42) Bromodichloromethane	7.253	83	85809m	0.527	ppbv	
43) Methyl Methacrylate	7.481	69	34540	0.393	ppbv	94
44) 2,2,4-Trimethylpentane	7.330	57	175702m	0.469	ppbv	
45) t-1,3-Dichloropropene	8.713	75	20280	0.318	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041301.D
 Acq On : 4 Jun 2024 11:10
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024
 Supervised By :Mahesh Dadoda 06/05/2024

Quant Time: Jun 04 11:40:55 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Tue Jun 04 11:34:39 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	29230m	0.375	ppbv	
47) 1,1,2-Trichloroethane	8.893	97	43239m	0.515	ppbv	
48) Dibromochloromethane	9.713	129	66160m	0.495	ppbv	
49) Bromoform	12.401	173	51131	0.450	ppbv	97
50) 4-Methyl-2-Pentanone	8.198	43	95227	0.402	ppbv	100
51) 2-Hexanone	9.574	43	66292m	0.378	ppbv	
52) Tetrachloroethene	10.610	164	40083m	0.524	ppbv	
53) Toluene	9.217	91	110445	0.438	ppbv	99
54) 1,2-Dibromoethane	10.012	107	55061m	0.485	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.497	131	52651m	0.540	ppbv	
57) Chlorobenzene	11.523	112	94224	0.535	ppbv #	94
58) Ethyl Benzene	12.085	91	153781	0.467	ppbv	95
59) m/p-Xylene	12.368	91	267309m	0.965	ppbv	
60) o-Xylene	13.053	91	127549	0.491	ppbv	97
61) Styrene	12.896	104	55818m	0.407	ppbv	
62) Isopropylbenzene	14.024	105	195726	0.504	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.040	83	91373	0.516	ppbv	96
64) n-propylbenzene	14.912	120	49529	0.511	ppbv	96
65) tert-Butylbenzene	16.085	119	172978	0.497	ppbv	99
66) Benzyl Chloride	16.333	91	9367m	0.238	ppbv	
67) sec-Butylbenzene	16.629	105	241479	0.493	ppbv	100
69) p-Isopropyltoluene	16.989	119	192579	0.477	ppbv	97
70) n-Butylbenzene	17.886	91	198312	0.471	ppbv	98
71) 2-Chlorotoluene	14.793	91	150020	0.507	ppbv	97
72) 4-Ethyltoluene	15.185	105	145994m	0.497	ppbv	
73) 1,3,5-Trimethylbenzene	15.349	105	123389	0.464	ppbv	96
74) 1,2,4-Trimethylbenzene	16.098	105	143873	0.495	ppbv #	89
75) 1,3-Dichlorobenzene	16.323	146	84045	0.504	ppbv	94
76) 1,4-Dichlorobenzene	16.468	146	89681m	0.560	ppbv	
77) 1,2-Dichlorobenzene	17.137	146	91296m	0.548	ppbv	
78) Hexachloro-1,3-Butadiene	22.622	225	78297m	0.529	ppbv	
79) Naphthalene	21.381	128	107540m	0.389	ppbv	
80) Naphthalene,2-methyl-	24.371	142	26477m	0.238	ppbv	
81) 1,2,4-Trichlorobenzene	21.146	180	64288m	0.440	ppbv	

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

