

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040357.D
 Acq On : 13 Apr 2023 12:01
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Apr 13 13:36:12 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Thu Apr 13 12:20:17 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

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

Internal Standards						
1) Bromochloromethane	5.189	49	1034981	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2622063	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2350153	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 1994715 10.135 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	125789	0.619	ppbv	99
3) Chlorodifluoromethane	2.661	51	73209	0.563	ppbv	95
4) Chloromethane	2.803	50	43103	0.536	ppbv	92
5) Vinyl Chloride	2.912	62	37498	0.576	ppbv	97
6) Bromomethane	3.108	94	11555	0.512	ppbv	89
7) Chloroethane	3.185	64	13998	0.560	ppbv	94
8) Dichlorotetrafluoroethane	2.845	85	98782	0.568	ppbv	97
9) Propene	2.684	41	27610	0.554	ppbv	100
10) Heptane	7.584	43	50345	0.420	ppbv	87
11) Trichlorofluoromethane	3.552	101	101105	0.550	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.057	101	68212	0.494	ppbv	92
13) Ethanol	3.243	45	2479m	0.678	ppbv	
14) Bromoethene	3.359	108	26393	0.512	ppbv #	92
15) Acetone	3.472	43	85871	0.682	ppbv	94
16) 1,3-Butadiene	2.976	39	27144	0.474	ppbv	83
17) tert-Butyl alcohol	3.883	59	65622	0.548	ppbv	96
18) 1,1-Dichloroethene	3.870	96	32031m	0.540	ppbv	
19) Isopropyl Alcohol	3.584	45	35030	0.580	ppbv #	89
20) Methylene Chloride	3.925	84	33304	0.628	ppbv	99
21) Allyl Chloride	3.989	41	42280	0.518	ppbv	91
22) trans-1,2-Dichloroethene	4.439	96	31078m	0.515	ppbv	
23) Vinyl Acetate	4.629	43	20550m	0.586	ppbv	
24) 1,1-Dichloroethane	4.558	63	63361	0.507	ppbv	98
25) Ethyl Acetate	5.208	43	117136	0.497	ppbv	98
26) Hexane	5.208	57	50109	0.517	ppbv	89
27) Carbon Disulfide	4.121	76	61431	0.454	ppbv #	90
28) Methyl tert-Butyl Ether	4.590	73	53116	0.478	ppbv	98
29) Chloroform	5.269	83	94056	0.550	ppbv	92
30) Cyclohexane	6.610	84	34836m	0.457	ppbv	
31) cis-1,2-Dichloroethene	5.079	61	47748	0.506	ppbv	98
32) 1,1,1-Trichloroethane	5.999	97	89866	0.549	ppbv	97
34) 2-Butanone	4.793	43	67720	0.523	ppbv	94
35) Carbon Tetrachloride	6.494	117	90530m	0.550	ppbv	
36) Benzene	6.369	78	98010	0.490	ppbv	96
37) 1,2-Dichloroethane	5.809	62	68434m	0.526	ppbv	
38) Trichloroethene	7.288	130	59061m	0.541	ppbv	
39) 1,2-Dichloropropane	7.079	63	41401m	0.528	ppbv	
40) 1,4-Dioxane	7.324	88	15995m	0.516	ppbv	
41) Tetrahydrofuran	5.578	42	34349	0.460	ppbv	97
42) Bromodichloromethane	7.253	83	85750	0.482	ppbv #	95
43) Methyl Methacrylate	7.481	69	32834m	0.442	ppbv	
44) 2,2,4-Trimethylpentane	7.330	57	165002	0.495	ppbv	93
45) t-1,3-Dichloropropene	8.719	75	26518m	0.410	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040357.D
 Acq On : 13 Apr 2023 12:01
 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 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

Quant Time: Apr 13 13:36:12 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Thu Apr 13 12:20:17 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	38384m	0.418	ppbv	
47) 1,1,2-Trichloroethane	8.899	97	43462	0.520	ppbv	93
48) Dibromochloromethane	9.719	129	63905m	0.464	ppbv	
49) Bromoform	12.420	173	47071m	0.455	ppbv	
50) 4-Methyl-2-Pentanone	8.204	43	92588m	0.462	ppbv	
51) 2-Hexanone	9.577	43	62762m	0.405	ppbv	
52) Tetrachloroethene	10.622	164	32726	0.541	ppbv	91
53) Toluene	9.227	91	89256	0.426	ppbv	99
54) 1,2-Dibromoethane	10.018	107	44731m	0.520	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.510	131	54215	0.548	ppbv #	69
57) Chlorobenzene	11.536	112	95878m	0.574	ppbv	
58) Ethyl Benzene	12.098	91	115268	0.431	ppbv	100
59) m/p-Xylene	12.381	91	232981m	0.950	ppbv	
60) o-Xylene	13.066	91	111745	0.477	ppbv	97
61) Styrene	12.905	104	44637m	0.375	ppbv	
62) Isopropylbenzene	14.043	105	168371	0.505	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.063	83	50768m	0.616	ppbv	
64) n-propylbenzene	14.931	120	39890m	0.488	ppbv	
65) tert-Butylbenzene	16.104	119	143014	0.497	ppbv	92
66) Benzyl Chloride	16.336	91	9256m	0.495	ppbv	
67) sec-Butylbenzene	16.651	105	209854	0.510	ppbv	98
69) p-Isopropyltoluene	17.005	119	152464	0.476	ppbv	95
70) n-Butylbenzene	17.905	91	169401	0.480	ppbv	98
71) 2-Chlorotoluene	14.812	91	123968	0.488	ppbv	97
72) 4-Ethyltoluene	15.204	105	112923	0.441	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.362	105	112496	0.485	ppbv	99
74) 1,2,4-Trimethylbenzene	16.121	105	134261	0.507	ppbv	95
75) 1,3-Dichlorobenzene	16.346	146	77770m	0.543	ppbv	
76) 1,4-Dichlorobenzene	16.487	146	78851m	0.577	ppbv	
77) 1,2-Dichlorobenzene	17.159	146	79436m	0.577	ppbv	
78) Hexachloro-1,3-Butadiene	22.654	225	69311m	0.686	ppbv	
79) Naphthalene	21.410	128	77889m	0.497	ppbv	
80) Naphthalene,2-methyl-	24.390	142	11872m	0.299	ppbv	
81) 1,2,4-Trichlorobenzene	21.156	180	52826m	0.548	ppbv	

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

Manual Integrations

Quant Time: Apr 13 13:36:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Apr 13 12:20:17 2023
Response via : Initial Calibration

