

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022323\
 Data File : VL040216.D
 Acq On : 23 Feb 2023 10:18
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Feb 24 00:40:08 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Wed Feb 22 03:17:31 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/24/2023
 Supervised By : Mahesh Dadoda 02/24/2023

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

Internal Standards						
1) Bromochloromethane	5.189	49	831180	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.655	114	2160254	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.474	117	2065628m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 1783715 10.501 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1697063	10.955	ppbv	99
3) Chlorodifluoromethane	2.664	51	1006593	10.138	ppbv	99
4) Chloromethane	2.803	50	634947	10.181	ppbv	96
5) Vinyl Chloride	2.912	62	554082	11.055	ppbv	98
6) Bromomethane	3.111	94	185092	10.232	ppbv	97
7) Chloroethane	3.189	64	201001	10.113	ppbv	97
8) Dichlorotetrafluoroethane	2.848	85	1398541	10.477	ppbv	100
9) Propene	2.684	41	407227	10.062	ppbv	99
10) Heptane	7.581	43	1063232	11.037	ppbv	100
11) Trichlorofluoromethane	3.555	101	1477903	10.633	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	1103964	10.766	ppbv	99
13) Ethanol	3.234	45	24246m	6.507	ppbv	
14) Bromoethene	3.359	108	437046	11.115	ppbv	99
15) Acetone	3.459	43	967139	9.665	ppbv	99
16) 1,3-Butadiene	2.976	39	487404	10.665	ppbv	97
17) tert-Butyl alcohol	3.870	59	1003661	10.997	ppbv	99
18) 1,1-Dichloroethene	3.873	96	483107	10.843	ppbv	98
19) Isopropyl Alcohol	3.568	45	449330	9.446	ppbv	99
20) Methylene Chloride	3.925	84	407634	7.825	ppbv	97
21) Allyl Chloride	3.989	41	674439	10.988	ppbv	98
22) trans-1,2-Dichloroethene	4.439	96	500950	10.858	ppbv	95
23) Vinyl Acetate	4.623	43	323372	10.648	ppbv	99
24) 1,1-Dichloroethane	4.558	63	1018545	10.730	ppbv	98
25) Ethyl Acetate	5.201	43	1912518	10.281	ppbv	100
26) Hexane	5.211	57	806908	10.104	ppbv	99
27) Carbon Disulfide	4.118	76	1186829	11.712	ppbv	100
28) Methyl tert-Butyl Ether	4.581	73	909595	10.630	ppbv	97
29) Chloroform	5.272	83	1392381	10.154	ppbv	95
30) Cyclohexane	6.600	84	683206	10.895	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	777542	10.247	ppbv	96
32) 1,1,1-Trichloroethane	6.002	97	1433456	11.126	ppbv	100
34) 2-Butanone	4.780	43	1080746	10.142	ppbv	98
35) Carbon Tetrachloride	6.494	117	1483298	11.615	ppbv	99
36) Benzene	6.372	78	1754616	10.437	ppbv	99
37) 1,2-Dichloroethane	5.806	62	1107209	10.530	ppbv	99
38) Trichloroethene	7.291	130	1041351	11.241	ppbv	98
39) 1,2-Dichloropropane	7.076	63	670039	10.245	ppbv	96
40) 1,4-Dioxane	7.288	88	247111	9.446	ppbv	80
41) Tetrahydrofuran	5.555	42	657422	10.646	ppbv	99
42) Bromodichloromethane	7.253	83	1590708	10.961	ppbv	99
43) Methyl Methacrylate	7.478	69	693354	11.146	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	2916396	10.392	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	662506	12.006	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022323\
 Data File : VL040216.D
 Acq On : 23 Feb 2023 10:18
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/24/2023
 Supervised By : Mahesh Dadoda 02/24/2023

Quant Time: Feb 24 00:40:08 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Wed Feb 22 03:17:31 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	899490	11.701	ppbv	95
47) 1,1,2-Trichloroethane	8.905	97	736123	10.407	ppbv	97
48) Dibromochloromethane	9.716	129	1297726	11.470	ppbv	99
49) Bromoform	12.413	173	1018355	11.532	ppbv	100
50) 4-Methyl-2-Pentanone	8.182	43	1822687	11.016	ppbv	99
51) 2-Hexanone	9.555	43	1400586	11.007	ppbv #	98
52) Tetrachloroethene	10.619	164	587824	11.197	ppbv	97
53) Toluene	9.227	91	1991932	11.062	ppbv	99
54) 1,2-Dibromoethane	10.015	107	814366	11.065	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.516	131	916603	10.571	ppbv	95
57) Chlorobenzene	11.536	112	1533831	10.164	ppbv	99
58) Ethyl Benzene	12.095	91	2743362	10.931	ppbv	97
59) m/p-Xylene	12.381	91	4776313m	21.487	ppbv	
60) o-Xylene	13.066	91	2300764	10.757	ppbv	99
61) Styrene	12.905	104	1292647	11.511	ppbv	99
62) Isopropylbenzene	14.037	105	3224975	10.504	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	775080	10.056	ppbv	98
64) n-propylbenzene	14.928	120	805753	10.604	ppbv	94
65) tert-Butylbenzene	16.101	119	2815127	10.548	ppbv	99
66) Benzyl Chloride	16.339	91	159053	8.956	ppbv	96
67) sec-Butylbenzene	16.645	105	3485063	9.106	ppbv	100
69) p-Isopropyltoluene	17.005	119	3098714	10.213	ppbv	99
70) n-Butylbenzene	17.895	91	3375582	10.250	ppbv	100
71) 2-Chlorotoluene	14.812	91	2484649	10.582	ppbv	100
72) 4-Ethyltoluene	15.201	105	2587927	10.945	ppbv	100
73) 1,3,5-Trimethylbenzene	15.359	105	2308044	10.490	ppbv	97
74) 1,2,4-Trimethylbenzene	16.117	105	2506369	10.371	ppbv	99
75) 1,3-Dichlorobenzene	16.342	146	1227973	9.285	ppbv	99
76) 1,4-Dichlorobenzene	16.481	146	1189068	9.175	ppbv	98
77) 1,2-Dichlorobenzene	17.153	146	1273327	9.693	ppbv	100
78) Hexachloro-1,3-Butadiene	22.648	225	784487	8.692	ppbv	100
79) Naphthalene	21.400	128	1496784	11.024	ppbv	98
80) Naphthalene,2-methyl-	24.384	142	339831	8.802	ppbv	96
81) 1,2,4-Trichlorobenzene	21.149	180	825788	9.720	ppbv	98

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

