

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
 Data File : VL040248.D
 Acq On : 8 Mar 2023 10:49
 Operator : SY/MD
 Sample : VL0308ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0308ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/09/2023
 Supervised By : Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 04:09:56 2023

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

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

QLast Update : Wed Mar 01 04:21:39 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	951052	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2424261	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.458	117	2264431	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.767 95 1859248 9.985 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.800%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.713	85	1243403m	7.015	ppbv
3) Chlorodifluoromethane	2.658	51	1092895	9.619	ppbv 100
4) Chloromethane	2.796	50	688913	9.654	ppbv 97
5) Vinyl Chloride	2.902	62	602801	10.511	ppbv 100
6) Bromomethane	3.102	94	197867	9.560	ppbv 92
7) Chloroethane	3.179	64	226829	9.974	ppbv 98
8) Dichlorotetrafluoroethane	2.838	85	1471285	9.633	ppbv 100
9) Propene	2.677	41	451048	9.740	ppbv 98
10) Heptane	7.568	43	1137484	10.320	ppbv 100
11) Trichlorofluoromethane	3.546	101	1590842	10.003	ppbv 100
12) 1,1,2-Trichlorotrifluo...	4.050	101	1186452	10.112	ppbv 98
13) Ethanol	3.230	45	32041m	7.515	ppbv
14) Bromoethene	3.346	108	471464	10.479	ppbv 98
15) Acetone	3.449	43	1067889	9.326	ppbv 99
16) 1,3-Butadiene	2.967	39	538066	10.290	ppbv 99
17) tert-Butyl alcohol	3.861	59	1115685	10.684	ppbv 99
18) 1,1-Dichloroethene	3.864	96	528655	10.370	ppbv 99
19) Isopropyl Alcohol	3.555	45	534491	9.820	ppbv 99
20) Methylene Chloride	3.915	84	447695	7.511	ppbv 95
21) Allyl Chloride	3.980	41	753511	10.729	ppbv 98
22) trans-1,2-Dichloroethene	4.426	96	549095	10.402	ppbv 90
23) Vinyl Acetate	4.610	43	350648	10.091	ppbv 98
24) 1,1-Dichloroethane	4.549	63	1102237	10.148	ppbv 99
25) Ethyl Acetate	5.189	43	2080315	9.773	ppbv 99
26) Hexane	5.198	57	872846	9.552	ppbv 100
27) Carbon Disulfide	4.108	76	1310046	11.298	ppbv 99
28) Methyl tert-Butyl Ether	4.568	73	988996	10.101	ppbv 98
29) Chloroform	5.259	83	1534428	9.780	ppbv 98
30) Cyclohexane	6.584	84	741848	10.339	ppbv 99
31) cis-1,2-Dichloroethene	5.063	61	823891	9.490	ppbv 95
32) 1,1,1-Trichloroethane	5.989	97	1527809	10.364	ppbv 99
34) 2-Butanone	4.767	43	1185813	9.916	ppbv 98
35) Carbon Tetrachloride	6.478	117	1595092	11.130	ppbv 98
36) Benzene	6.356	78	1872632	9.926	ppbv 98
37) 1,2-Dichloroethane	5.790	62	1201277	10.181	ppbv 99
38) Trichloroethene	7.275	130	1115296	10.728	ppbv 99
39) 1,2-Dichloropropane	7.060	63	723012	9.851	ppbv 97
40) 1,4-Dioxane	7.272	88	284989	9.707	ppbv 94
41) Tetrahydrofuran	5.542	42	711995	10.274	ppbv 98
42) Bromodichloromethane	7.237	83	1731170m	10.630	ppbv
43) Methyl Methacrylate	7.462	69	744953	10.671	ppbv 100
44) 2,2,4-Trimethylpentane	7.314	57	3146089	9.990	ppbv 99
45) t-1,3-Dichloropropene	8.700	75	722405	11.666	ppbv 99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
 Data File : VL040248.D
 Acq On : 8 Mar 2023 10:49
 Operator : SY/MD
 Sample : VL0308ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0308ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/09/2023
 Supervised By :Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 04:09:56 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 Mar 01 04:21:39 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	971904	11.266	ppbv	98
47) 1,1,2-Trichloroethane	8.883	97	778668	9.809	ppbv	98
48) Dibromochloromethane	9.696	129	1359320	10.706	ppbv	99
49) Bromoform	12.400	173	1063864	10.735	ppbv	100
50) 4-Methyl-2-Pentanone	8.169	43	1973351	10.628	ppbv	100
51) 2-Hexanone	9.539	43	1525763	10.685	ppbv	98
52) Tetrachloroethene	10.603	164	623735	10.588	ppbv	98
53) Toluene	9.208	91	2126282	10.523	ppbv	100
54) 1,2-Dibromoethane	9.999	107	872465	10.564	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.500	131	976515	10.273	ppbv	94
57) Chlorobenzene	11.516	112	1633980	9.877	ppbv	98
58) Ethyl Benzene	12.079	91	2918388	10.607	ppbv	99
59) m/p-Xylene	12.365	91	5065903m	20.789	ppbv	
60) o-Xylene	13.047	91	2431463	10.370	ppbv	99
61) Styrene	12.889	104	1351599	10.979	ppbv	99
62) Isopropylbenzene	14.021	105	3421323	10.166	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.037	83	796295	9.424	ppbv	100
64) n-propylbenzene	14.908	120	859701	10.320	ppbv	96
65) tert-Butylbenzene	16.085	119	2964022	10.131	ppbv	99
66) Benzyl Chloride	16.320	91	201903	10.371	ppbv	99
67) sec-Butylbenzene	16.629	105	4207957	10.029	ppbv	100
69) p-Isopropyltoluene	16.989	119	3356977	10.092	ppbv	100
70) n-Butylbenzene	17.879	91	3652563	10.117	ppbv	99
71) 2-Chlorotoluene	14.789	91	2605170	10.121	ppbv	100
72) 4-Ethyltoluene	15.185	105	2731541	10.538	ppbv	100
73) 1,3,5-Trimethylbenzene	15.342	105	2426846	10.062	ppbv	100
74) 1,2,4-Trimethylbenzene	16.098	105	2641269	9.970	ppbv	95
75) 1,3-Dichlorobenzene	16.323	146	1419359	9.790	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	1369063	9.636	ppbv	98
77) 1,2-Dichlorobenzene	17.133	146	1370446	9.516	ppbv	99
78) Hexachloro-1,3-Butadiene	22.632	225	824275	8.331	ppbv	99
79) Naphthalene	21.378	128	1830801	12.301	ppbv	98
80) Naphthalene,2-methyl-	24.374	142	373564	8.826	ppbv	98
81) 1,2,4-Trichlorobenzene	21.133	180	996822	10.703	ppbv	98

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

