

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039970.D
 Acq On : 12 Dec 2022 10:37
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Dec 13 06:07:34 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Fri Dec 02 23:21:36 2022

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/14/2022
 Supervised By : Mahesh Dadoda 12/14/2022

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

Internal Standards						
1) Bromochloromethane	5.172	49	1175559	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.639	114	3364467	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.455	117	3192224	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2658638	10.904	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	= 109.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.709	85	1920819	11.409	ppbv	95
3) Chlorodifluoromethane	2.652	51	1537780	9.480	ppbv	96
4) Chloromethane	2.790	50	958459	9.246	ppbv	99
5) Vinyl Chloride	2.899	62	829211	10.237	ppbv	96
6) Bromomethane	3.099	94	294612	10.663	ppbv	100
7) Chloroethane	3.176	64	303083	9.466	ppbv	93
8) Dichlorotetrafluoroethane	2.835	85	2034781	10.584	ppbv	98
9) Propene	2.671	41	681242	8.915	ppbv	99
10) Heptane	7.565	43	1659214	8.999	ppbv	98
11) Trichlorofluoromethane	3.542	101	2159280	10.515	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.047	101	1578603	10.157	ppbv	95
13) Ethanol	3.224	45	35435m	6.074	ppbv	
14) Bromoethene	3.346	108	644302	10.630	ppbv	100
15) Acetone	3.446	43	1470085	9.428	ppbv	99
16) 1,3-Butadiene	2.963	39	771341	9.926	ppbv	100
17) tert-Butyl alcohol	3.857	59	1669849	9.314	ppbv	99
18) 1,1-Dichloroethene	3.861	96	720311	10.160	ppbv	99
19) Isopropyl Alcohol	3.555	45	708963	8.398	ppbv #	32
20) Methylene Chloride	3.915	84	593590	7.858	ppbv	95
21) Allyl Chloride	3.976	41	1063255	9.830	ppbv	100
22) trans-1,2-Dichloroethene	4.426	96	726046	10.070	ppbv	97
23) Vinyl Acetate	4.606	43	597332	9.325	ppbv	98
24) 1,1-Dichloroethane	4.545	63	1527157	9.887	ppbv	100
25) Ethyl Acetate	5.185	43	2709989	9.466	ppbv	99
26) Hexane	5.195	57	1179490	9.431	ppbv	98
27) Carbon Disulfide	4.105	76	1904235	12.061	ppbv	98
28) Methyl tert-Butyl Ether	4.568	73	1442688	9.214	ppbv	99
29) Chloroform	5.256	83	2088409	12.566	ppbv	99
30) Cyclohexane	6.587	84	1114751	9.083	ppbv	97
31) cis-1,2-Dichloroethene	5.060	61	1157005	10.014	ppbv	96
32) 1,1,1-Trichloroethane	5.986	97	2223277	10.711	ppbv	98
34) 2-Butanone	4.767	43	1597856	9.925	ppbv	97
35) Carbon Tetrachloride	6.475	117	2379111	12.451	ppbv	99
36) Benzene	6.356	78	2775520	9.705	ppbv	99
37) 1,2-Dichloroethane	5.790	62	1682400	10.735	ppbv	99
38) Trichloroethene	7.275	130	1586376	9.923	ppbv	98
39) 1,2-Dichloropropane	7.060	63	1079989	9.693	ppbv	96
40) 1,4-Dioxane	7.275	88	400262	9.018	ppbv	89
41) Tetrahydrofuran	5.542	42	1051573	9.462	ppbv	98
42) Bromodichloromethane	7.233	83	2514273	11.830	ppbv	100
43) Methyl Methacrylate	7.458	69	1109065	9.892	ppbv	99
44) 2,2,4-Trimethylpentane	7.311	57	4532834	9.495	ppbv	99
45) t-1,3-Dichloropropene	8.696	75	1106471	10.681	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039970.D
 Acq On : 12 Dec 2022 10:37
 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 12/14/2022
 Supervised By : Mahesh Dadoda 12/14/2022

Quant Time: Dec 13 06:07:34 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Fri Dec 02 23:21:36 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.130	75	1502767	10.472	ppbv	96
47) 1,1,2-Trichloroethane	8.886	97	1154735	10.084	ppbv	98
48) Dibromochloromethane	9.700	129	2074239	12.367	ppbv	100
49) Bromoform	12.397	173	1613200	11.882	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2812061	9.753	ppbv	99
51) 2-Hexanone	9.542	43	2152144	9.615	ppbv #	98
52) Tetrachloroethene	10.600	164	937934	8.767	ppbv	96
53) Toluene	9.208	91	3153802	9.681	ppbv	99
54) 1,2-Dibromoethane	9.999	107	1326372	10.854	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.500	131	1419883	10.881	ppbv	96
57) Chlorobenzene	11.516	112	2370803	9.713	ppbv	98
58) Ethyl Benzene	12.079	91	4251716	9.817	ppbv	97
59) m/p-Xylene	12.362	91	7143394m	19.708	ppbv	
60) o-Xylene	13.050	91	3433166	9.932	ppbv	97
61) Styrene	12.889	104	2003269	9.709	ppbv	99
62) Isopropylbenzene	14.021	105	4803068	9.636	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	1197390	10.374	ppbv	100
64) n-propylbenzene	14.908	120	1240754	9.515	ppbv	88
65) tert-Butylbenzene	16.082	119	4126426	9.463	ppbv	98
66) Benzyl Chloride	16.320	91	333500	8.924	ppbv	97
67) sec-Butylbenzene	16.628	105	5687150	9.485	ppbv	98
69) p-Isopropyltoluene	16.985	119	4598189	9.310	ppbv	99
70) n-Butylbenzene	17.876	91	4777602	9.757	ppbv	97
71) 2-Chlorotoluene	14.793	91	3669903	9.713	ppbv	97
72) 4-Ethyltoluene	15.185	105	3835285	9.871	ppbv	99
73) 1,3,5-Trimethylbenzene	15.342	105	3390438	9.532	ppbv	99
74) 1,2,4-Trimethylbenzene	16.098	105	3604283	9.571	ppbv #	89
75) 1,3-Dichlorobenzene	16.323	146	1970026	9.298	ppbv	98
76) 1,4-Dichlorobenzene	16.465	146	1914785	9.116	ppbv	97
77) 1,2-Dichlorobenzene	17.130	146	1850567	9.060	ppbv	98
78) Hexachloro-1,3-Butadiene	22.628	225	1083710	7.646	ppbv	99
79) Naphthalene	21.378	128	2088154	9.265	ppbv	98
80) Naphthalene,2-methyl-	24.371	142	562445	8.873	ppbv #	96
81) 1,2,4-Trichlorobenzene	21.130	180	1176369	8.452	ppbv	99

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

