

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112122\
 Data File : VL039905.D
 Acq On : 21 Nov 2022 10:39
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Nov 22 03:42:48 2022

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

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

QLast Update : Fri Nov 18 14:05:14 2022

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/22/2022
 Supervised By : Mahesh Dadoda 11/24/2022

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

Internal Standards						
1) Bromochloromethane	5.156	49	1238213	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.619	114	3679096	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.439	117	3522258	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.754	95	2669264	9.922	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.697	85	1362823	7.685	ppbv	96
3) Chlorodifluoromethane	2.642	51	1634952	9.569	ppbv	98
4) Chloromethane	2.780	50	1053743	9.651	ppbv	98
5) Vinyl Chloride	2.886	62	912284	10.693	ppbv	99
6) Bromomethane	3.086	94	294009	10.103	ppbv	95
7) Chloroethane	3.166	64	336281	9.971	ppbv	94
8) Dichlorotetrafluoroethane	2.825	85	1982658	9.791	ppbv	100
9) Propene	2.661	41	771374	9.584	ppbv	99
10) Heptane	7.545	43	1903137	9.799	ppbv	99
11) Trichlorofluoromethane	3.529	101	2273900	10.513	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.034	101	1711432	10.454	ppbv	97
13) Ethanol	3.208	45	54981m	8.947	ppbv	
14) Bromoethene	3.333	108	681676	10.677	ppbv	100
15) Acetone	3.433	43	1580322	9.622	ppbv	99
16) 1,3-Butadiene	2.954	39	840781	10.272	ppbv	98
17) tert-Butyl alcohol	3.845	59	1940901	10.279	ppbv	99
18) 1,1-Dichloroethene	3.845	96	775655	10.387	ppbv	99
19) Isopropyl Alcohol	3.542	45	908576	10.218	ppbv #	31
20) Methylene Chloride	3.899	84	651067	8.182	ppbv	97
21) Allyl Chloride	3.964	41	1179139	10.350	ppbv	99
22) trans-1,2-Dichloroethene	4.410	96	810950	10.679	ppbv	98
23) Vinyl Acetate	4.591	43	678226	10.052	ppbv	99
24) 1,1-Dichloroethane	4.529	63	1668990	10.259	ppbv	99
25) Ethyl Acetate	5.169	43	3040740	10.084	ppbv	100
26) Hexane	5.182	57	1281900	9.732	ppbv	98
27) Carbon Disulfide	4.089	76	1941139	11.672	ppbv	98
28) Methyl tert-Butyl Ether	4.552	73	1681031	10.193	ppbv	98
29) Chloroform	5.240	83	1933219	11.044	ppbv	100
30) Cyclohexane	6.568	84	1280552	9.906	ppbv	97
31) cis-1,2-Dichloroethene	5.044	61	1292895	10.623	ppbv	96
32) 1,1,1-Trichloroethane	5.967	97	2417677	11.059	ppbv	98
34) 2-Butanone	4.751	43	1852958	10.526	ppbv	98
35) Carbon Tetrachloride	6.462	117	2451732	11.734	ppbv	97
36) Benzene	6.336	78	3171871	10.143	ppbv	99
37) 1,2-Dichloroethane	5.774	62	1815784	10.595	ppbv	100
38) Trichloroethene	7.259	130	1792933	10.256	ppbv	98
39) 1,2-Dichloropropane	7.041	63	1210169	9.933	ppbv	96
40) 1,4-Dioxane	7.256	88	492455	10.146	ppbv	92
41) Tetrahydrofuran	5.523	42	1211549	9.969	ppbv	99
42) Bromodichloromethane	7.217	83	2629343	11.313	ppbv	97
43) Methyl Methacrylate	7.442	69	1282275	10.458	ppbv	99
44) 2,2,4-Trimethylpentane	7.295	57	5078317	9.727	ppbv	99
45) t-1,3-Dichloropropene	8.677	75	1352895	11.943	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112122\
 Data File : VL039905.D
 Acq On : 21 Nov 2022 10:39
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2022
 Supervised By :Mahesh Dadoda 11/24/2022

Quant Time: Nov 22 03:42:48 2022

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

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

QLast Update : Fri Nov 18 14:05:14 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.111	75	1729933	11.024	ppbv	96
47) 1,1,2-Trichloroethane	8.867	97	1296627	10.355	ppbv	97
48) Dibromochloromethane	9.680	129	2226984	12.142	ppbv	99
49) Bromoform	12.384	173	1806067	12.165	ppbv	99
50) 4-Methyl-2-Pentanone	8.150	43	3192867	10.127	ppbv	100
51) 2-Hexanone	9.526	43	2573072	10.513	ppbv	100
52) Tetrachloroethene	10.587	164	1132239	9.678	ppbv	99
53) Toluene	9.192	91	3612758	10.141	ppbv	100
54) 1,2-Dibromoethane	9.979	107	1521884	11.389	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.481	131	1557423	10.817	ppbv	99
57) Chlorobenzene	11.500	112	2769073	10.282	ppbv	98
58) Ethyl Benzene	12.063	91	4792478	10.029	ppbv	100
59) m/p-Xylene	12.346	91	8048297m	20.124	ppbv	
60) o-Xylene	13.037	91	3848459	10.090	ppbv	100
61) Styrene	12.876	104	2422389	10.640	ppbv	100
62) Isopropylbenzene	14.008	105	5487210	9.977	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.027	83	1312069	10.302	ppbv	100
64) n-propylbenzene	14.896	120	1485424	10.324	ppbv	99
65) tert-Butylbenzene	16.072	119	4779850	9.934	ppbv	100
66) Benzyl Chloride	16.310	91	505720	12.265	ppbv	99
67) sec-Butylbenzene	16.619	105	6607415	9.988	ppbv	99
69) p-Isopropyltoluene	16.979	119	5435469	9.974	ppbv	99
70) n-Butylbenzene	17.873	91	5459689	10.105	ppbv	99
71) 2-Chlorotoluene	14.780	91	4189608	10.050	ppbv	100
72) 4-Ethyltoluene	15.175	105	4504547	10.507	ppbv	99
73) 1,3,5-Trimethylbenzene	15.333	105	3997618	10.186	ppbv	99
74) 1,2,4-Trimethylbenzene	16.092	105	4212026	10.137	ppbv	97
75) 1,3-Dichlorobenzene	16.314	146	2426403	10.379	ppbv	99
76) 1,4-Dichlorobenzene	16.458	146	2352167	10.150	ppbv	98
77) 1,2-Dichlorobenzene	17.130	146	2286279	10.144	ppbv	99
78) Hexachloro-1,3-Butadiene	22.625	225	1382032	8.838	ppbv	99
79) Naphthalene	21.371	128	2765512	11.121	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	856879	12.252	ppbv	94
81) 1,2,4-Trichlorobenzene	21.127	180	1535759	10.001	ppbv	99

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

