

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041322\
 Data File : VL038914.D
 Acq On : 14 Apr 2022 9:42
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/14/2022
 Supervised By : Mahesh Dadoda 04/18/2022

Quant Time: Apr 14 10:11:57 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 6 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.681	49	1091105	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.192	114	2709691	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.102	117	2550753m	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.433 95 2073749 10.718 ppbv 0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.060	85	1378378	8.906	ppbv	100
3) Chlorodifluoromethane	3.002	51	1355750	10.181	ppbv	93
4) Chloromethane	3.153	50	688631	9.987	ppbv	94
5) Vinyl Chloride	3.272	62	659278	10.348	ppbv	97
6) Bromomethane	3.485	94	333689	10.825	ppbv	94
7) Chloroethane	3.575	64	228131	10.738	ppbv	93
8) Dichlorotetrafluoroethane	3.202	85	1578196	10.916	ppbv	94
9) Propene	3.025	41	569074	8.077	ppbv	93
10) Heptane	8.137	43	1464321	8.252	ppbv	96
11) Trichlorofluoromethane	3.964	101	1499058	12.054	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.501	101	1075284	11.288	ppbv	92
13) Ethanol	3.623	45	37742	8.815	ppbv #	100
14) Bromoethene	3.751	108	453791	10.832	ppbv	97
15) Acetone	3.861	43	1174436	10.811	ppbv	97
16) 1,3-Butadiene	3.340	39	611446	9.846	ppbv	98
17) tert-Butyl alcohol	4.295	59	889282	9.129	ppbv	99
18) 1,1-Dichloroethene	4.304	96	476078	10.963	ppbv	93
19) Isopropyl Alcohol	3.973	45	616134	11.097	ppbv #	100
20) Methylene Chloride	4.359	84	388553	9.863	ppbv	94
21) Allyl Chloride	4.427	41	761048	9.357	ppbv	95
22) trans-1,2-Dichloroethene	4.902	96	501476	11.406	ppbv	97
23) Vinyl Acetate	5.086	43	1071943	10.133	ppbv	98
24) 1,1-Dichloroethane	5.025	63	990825	10.364	ppbv	99
25) Ethyl Acetate	5.693	43	2570739	9.327	ppbv	99
26) Hexane	5.703	57	1121139	8.936	ppbv	99
27) Carbon Disulfide	4.565	76	1217150	10.579	ppbv	99
28) Methyl tert-Butyl Ether	5.047	73	922657	9.522	ppbv	98
29) Chloroform	5.767	83	1856088	10.574	ppbv	98
30) Cyclohexane	7.147	84	916646	8.290	ppbv	99
31) cis-1,2-Dichloroethene	5.562	61	1185698	10.278	ppbv	92
32) 1,1,1-Trichloroethane	6.526	97	1852906	10.477	ppbv	97
34) 2-Butanone	5.256	43	1439440	13.444	ppbv	98
35) Carbon Tetrachloride	7.034	117	1928376	11.871	ppbv	98
36) Benzene	6.906	78	2270011	9.209	ppbv	95
37) 1,2-Dichloroethane	6.320	62	1522162	13.506	ppbv #	93
38) Trichloroethene	7.854	130	919235	9.088	ppbv	94
39) 1,2-Dichloropropane	7.632	63	902154	9.568	ppbv	91
40) 1,4-Dioxane	7.848	88	236104	7.374	ppbv #	20
41) Tetrahydrofuran	6.063	42	926464	9.111	ppbv	98
42) Bromodichloromethane	7.806	83	2088091	11.733	ppbv	98
43) Methyl Methacrylate	8.024	69	952631	10.090	ppbv	95
44) 2,2,4-Trimethylpentane	7.886	57	3911030	9.371	ppbv	98
45) t-1,3-Dichloropropene	9.295	75	1057117	10.708	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041322\
 Data File : VL038914.D
 Acq On : 14 Apr 2022 9:42
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/14/2022
 Supervised By : Mahesh Dadoda 04/18/2022

Quant Time: Apr 14 10:11:57 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 6 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.716	75	1318534	10.130	ppbv	95
47) 1,1,2-Trichloroethane	9.491	97	924536	9.570	ppbv	98
48) Dibromochloromethane	10.317	129	1659295	10.958	ppbv	99
49) Bromoform	13.056	173	1306368	10.893	ppbv	99
50) 4-Methyl-2-Pentanone	8.754	43	2372037	9.849	ppbv	99
51) 2-Hexanone	10.143	43	1808513	9.966	ppbv #	99
52) Tetrachloroethene	11.240	164	783188	9.096	ppbv	99
53) Toluene	9.819	91	2610246	9.173	ppbv	98
54) 1,2-Dibromoethane	10.626	107	1370457	10.212	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.143	131	1096491	9.809	ppbv #	91
57) Chlorobenzene	12.163	112	1843184	8.823	ppbv	94
58) Ethyl Benzene	12.725	91	3578984	9.390	ppbv	94
59) m/p-Xylene	13.011	91	6190518m	19.332	ppbv	
60) o-Xylene	13.706	91	2904778	9.694	ppbv	94
61) Styrene	13.542	104	1658135	9.083	ppbv	95
62) Isopropylbenzene	14.680	105	4062237	9.032	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.693	83	1793332	9.449	ppbv	100
64) n-propylbenzene	15.577	120	1026114	8.787	ppbv	70
65) tert-Butylbenzene	16.760	119	3614019	9.057	ppbv	91
66) Benzyl Chloride	17.002	91	529326	6.516	ppbv #	93
67) sec-Butylbenzene	17.307	105	5200196	9.287	ppbv	97
69) p-Isopropyltoluene	17.664	119	4304849	9.363	ppbv	96
70) n-Butylbenzene	18.561	91	4777124	10.314	ppbv	96
71) 2-Chlorotoluene	15.468	91	3169902	9.373	ppbv	96
72) 4-Ethyltoluene	15.854	105	3551982	9.927	ppbv	96
73) 1,3,5-Trimethylbenzene	16.008	105	3098029	9.638	ppbv	94
74) 1,2,4-Trimethylbenzene	16.777	105	3321295	9.775	ppbv	92
75) 1,3-Dichlorobenzene	17.008	146	1851457	9.385	ppbv	99
76) 1,4-Dichlorobenzene	17.153	146	1784368	9.182	ppbv	98
77) 1,2-Dichlorobenzene	17.828	146	1748889	8.993	ppbv	97
78) Hexachloro-1,3-Butadiene	23.384	225	1327023m	8.636	ppbv	
79) Naphthalene	22.207	128	2588860	10.185	ppbv	98
80) Naphthalene,2-methyl-	24.979	142	716939	11.447	ppbv	94
81) 1,2,4-Trichlorobenzene	21.944	180	1470757m	9.887	ppbv	

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

