

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040692.D
 Acq On : 18 Sep 2023 9:25
 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 09/19/2023
 Supervised By : Mahesh Dadoda 09/19/2023

Quant Time: Sep 19 05:13:02 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M

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

QLast Update : Tue Sep 19 05:12:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1220540	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	3179461	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2901222	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2322120 10.360 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	2516587	9.358	ppbv	97
3) Chlorodifluoromethane	2.677	51	1756015	8.831	ppbv	99
4) Chloromethane	2.816	50	675455	8.873	ppbv	99
5) Vinyl Chloride	2.925	62	772237	8.584	ppbv	97
6) Bromomethane	3.124	94	405060	9.332	ppbv	97
7) Chloroethane	3.198	64	289204	9.359	ppbv	93
8) Dichlorotetrafluoroethane	2.861	85	1992054	8.973	ppbv	100
9) Propene	2.697	41	487082	8.503	ppbv	96
10) Heptane	7.587	43	1297941	10.056	ppbv	98
11) Trichlorofluoromethane	3.568	101	2170744	9.182	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.073	101	1581301	9.351	ppbv	99
13) Ethanol	3.243	45	130883	7.720	ppbv	96
14) Bromoethene	3.369	108	625164	8.814	ppbv	95
15) Acetone	3.472	43	1370081	8.510	ppbv	99
16) 1,3-Butadiene	2.989	39	682679	9.730	ppbv	96
17) tert-Butyl alcohol	3.883	59	1423644	8.633	ppbv	99
18) 1,1-Dichloroethene	3.883	96	714831	9.510	ppbv	90
19) Isopropyl Alcohol	3.578	45	840671	8.666	ppbv #	98
20) Methylene Chloride	3.938	84	636539	7.346	ppbv	99
21) Allyl Chloride	4.002	41	962094	9.751	ppbv	98
22) trans-1,2-Dichloroethene	4.452	96	750308	10.095	ppbv	99
23) Vinyl Acetate	4.632	43	1570934	9.435	ppbv	98
24) 1,1-Dichloroethane	4.568	63	1526976	9.800	ppbv	99
25) Ethyl Acetate	5.211	43	2405478	9.264	ppbv	100
26) Hexane	5.221	57	1061327	8.644	ppbv	99
27) Carbon Disulfide	4.131	76	1836024	10.723	ppbv	99
28) Methyl tert-Butyl Ether	4.590	73	1111128	10.519	ppbv	96
29) Chloroform	5.282	83	1949841	9.198	ppbv	99
30) Cyclohexane	6.610	84	897790	9.710	ppbv	97
31) cis-1,2-Dichloroethene	5.086	61	1110383	9.748	ppbv	96
32) 1,1,1-Trichloroethane	6.012	97	2040192	9.414	ppbv	99
34) 2-Butanone	4.790	43	1409943	8.818	ppbv	98
35) Carbon Tetrachloride	6.504	117	2138411	9.795	ppbv	95
36) Benzene	6.381	78	2246736	9.543	ppbv	97
37) 1,2-Dichloroethane	5.815	62	1497137	9.291	ppbv	99
38) Trichloroethene	7.301	130	943184	10.505	ppbv	98
39) 1,2-Dichloropropane	7.082	63	856244	9.448	ppbv	99
40) 1,4-Dioxane	7.295	88	367441	10.725	ppbv #	99
41) Tetrahydrofuran	5.561	42	791152	9.649	ppbv	100
42) Bromodichloromethane	7.259	83	2153178	9.793	ppbv	97
43) Methyl Methacrylate	7.481	69	935311	10.688	ppbv	98
44) 2,2,4-Trimethylpentane	7.336	57	3737430	9.970	ppbv	99
45) t-1,3-Dichloropropene	8.722	75	837818	12.346	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040692.D
 Acq On : 18 Sep 2023 9:25
 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 09/19/2023
 Supervised By :Mahesh Dadoda 09/19/2023

Quant Time: Sep 19 05:13:02 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M

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

QLast Update : Tue Sep 19 05:12:43 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	953015	11.478	ppbv	98
47) 1,1,2-Trichloroethane	8.909	97	992722	9.545	ppbv	98
48) Dibromochloromethane	9.722	129	1802040	10.503	ppbv	99
49) Bromoform	12.420	173	1498634	10.636	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2224144	10.294	ppbv	99
51) 2-Hexanone	9.555	43	1613068	10.816	ppbv #	99
52) Tetrachloroethene	10.626	164	821214	10.693	ppbv	91
53) Toluene	9.230	91	2666358	10.727	ppbv	99
54) 1,2-Dibromoethane	10.018	107	1423839	10.726	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.519	131	1351312	9.771	ppbv	99
57) Chlorobenzene	11.536	112	2131799	9.703	ppbv	97
58) Ethyl Benzene	12.101	91	3649788	11.034	ppbv	97
59) m/p-Xylene	12.381	91	6478391m	20.858	ppbv	
60) o-Xylene	13.069	91	3152564	10.643	ppbv	99
61) Styrene	12.905	104	1499265	12.077	ppbv	99
62) Isopropylbenzene	14.037	105	4520850	10.109	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.056	83	2246731	9.678	ppbv	99
64) n-propylbenzene	14.924	120	1156484	10.342	ppbv	99
65) tert-Butylbenzene	16.098	119	4035591	10.054	ppbv	99
66) Benzyl Chloride	16.336	91	533717	11.393	ppbv	99
67) sec-Butylbenzene	16.645	105	5687552	9.898	ppbv	100
69) p-Isopropyltoluene	17.002	119	4538770	10.050	ppbv	99
70) n-Butylbenzene	17.895	91	4976289	10.011	ppbv	99
71) 2-Chlorotoluene	14.809	91	3473399	10.497	ppbv	99
72) 4-Ethyltoluene	15.201	105	3584002	10.790	ppbv	98
73) 1,3,5-Trimethylbenzene	15.362	105	3103061	10.375	ppbv	99
74) 1,2,4-Trimethylbenzene	16.117	105	3564598	9.776	ppbv	94
75) 1,3-Dichlorobenzene	16.339	146	1992039	9.589	ppbv	98
76) 1,4-Dichlorobenzene	16.481	146	1932022	9.452	ppbv	99
77) 1,2-Dichlorobenzene	17.153	146	1907183	9.217	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1353110m	8.643	ppbv	
79) Naphthalene	21.394	128	2679554	11.810	ppbv	99
80) Naphthalene,2-methyl-	24.381	142	657865	11.838	ppbv	96
81) 1,2,4-Trichlorobenzene	21.149	180	1439237	9.711	ppbv	99

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

