

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
 Data File : VL040400.D
 Acq On : 11 May 2023 13:59
 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 05/14/2023
 Supervised By : Mahesh Dadoda 05/15/2023

Quant Time: May 12 05:52:57 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

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

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1118928	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.642	114	3015740	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.458	117	2887400m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2101445 8.801 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 88.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	1501492	7.443	ppbv	98
3) Chlorodifluoromethane	2.652	51	1374816	9.403	ppbv	99
4) Chloromethane	2.790	50	921002	9.972	ppbv	99
5) Vinyl Chloride	2.896	62	777702	10.200	ppbv	97
6) Bromomethane	3.095	94	236253	9.405	ppbv	98
7) Chloroethane	3.173	64	281673	9.757	ppbv	95
8) Dichlorotetrafluoroethane	2.835	85	1794189	9.100	ppbv	96
9) Propene	2.668	41	624641	10.814	ppbv	98
10) Heptane	7.568	43	1486512	11.324	ppbv	100
11) Trichlorofluoromethane	3.542	101	1800605	8.817	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.047	101	1312805	9.191	ppbv	98
13) Ethanol	3.218	45	43882	9.100	ppbv	99
14) Bromoethene	3.346	108	567556	9.717	ppbv	99
15) Acetone	3.446	43	1389718	8.769	ppbv	99
16) 1,3-Butadiene	2.964	39	663581	10.118	ppbv	96
17) tert-Butyl alcohol	3.854	59	1553534	10.675	ppbv	100
18) 1,1-Dichloroethene	3.861	96	595766	9.248	ppbv	93
19) Isopropyl Alcohol	3.552	45	780764	10.797	ppbv #	97
20) Methylene Chloride	3.912	84	517330	8.176	ppbv	98
21) Allyl Chloride	3.976	41	942583	10.467	ppbv	97
22) trans-1,2-Dichloroethene	4.430	96	639254	9.925	ppbv	97
23) Vinyl Acetate	4.607	43	463205	11.480	ppbv #	97
24) 1,1-Dichloroethane	4.546	63	1292931	9.628	ppbv	100
25) Ethyl Acetate	5.189	43	2783179	10.437	ppbv	99
26) Hexane	5.195	57	1224200	10.889	ppbv	93
27) Carbon Disulfide	4.105	76	1531799	10.529	ppbv	100
28) Methyl tert-Butyl Ether	4.565	73	1201885	10.356	ppbv	98
29) Chloroform	5.259	83	1956027	9.767	ppbv	100
30) Cyclohexane	6.587	84	1031346	11.845	ppbv	98
31) cis-1,2-Dichloroethene	5.060	61	1217741	10.928	ppbv	99
32) 1,1,1-Trichloroethane	5.986	97	1934582	9.942	ppbv	100
34) 2-Butanone	4.767	43	1454611	8.945	ppbv	98
35) Carbon Tetrachloride	6.478	117	1968646	9.273	ppbv	98
36) Benzene	6.356	78	2592201	10.535	ppbv	99
37) 1,2-Dichloroethane	5.790	62	1468168	9.084	ppbv	97
38) Trichloroethene	7.279	130	1540532	11.001	ppbv	95
39) 1,2-Dichloropropane	7.060	63	974299	10.064	ppbv	95
40) 1,4-Dioxane	7.272	88	391296	10.553	ppbv #	95
41) Tetrahydrofuran	5.539	42	976510	10.965	ppbv	99
42) Bromodichloromethane	7.237	83	2144818	9.718	ppbv	99
43) Methyl Methacrylate	7.462	69	1023406	11.199	ppbv	98
44) 2,2,4-Trimethylpentane	7.314	57	4116092	10.015	ppbv	98
45) t-1,3-Dichloropropene	8.697	75	1005132	12.313	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
 Data File : VL040400.D
 Acq On : 11 May 2023 13:59
 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 05/14/2023
 Supervised By : Mahesh Dadoda 05/15/2023

Quant Time: May 12 05:52:57 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

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

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	1329580	11.702	ppbv	95
47) 1,1,2-Trichloroethane	8.893	97	1046706	9.861	ppbv	97
48) Dibromochloromethane	9.703	129	1784291	10.438	ppbv	100
49) Bromoform	12.404	173	1442124	10.816	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2501789	10.147	ppbv	97
51) 2-Hexanone	9.539	43	1981115	10.873	ppbv #	98
52) Tetrachloroethene	10.610	164	896035	11.642	ppbv	95
53) Toluene	9.211	91	2960160	11.348	ppbv	99
54) 1,2-Dibromoethane	9.999	107	1177032	10.937	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.503	131	1273577	9.663	ppbv	96
57) Chlorobenzene	11.520	112	2269193	10.037	ppbv	97
58) Ethyl Benzene	12.082	91	3952726	11.129	ppbv	96
59) m/p-Xylene	12.368	91	6649441m	20.357	ppbv	
60) o-Xylene	13.053	91	3208550	10.235	ppbv	99
61) Styrene	12.892	104	1954154	12.444	ppbv	97
62) Isopropylbenzene	14.024	105	4520997	10.014	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.040	83	994162	8.666	ppbv	100
64) n-propylbenzene	14.915	120	1180599	10.628	ppbv	92
65) tert-Butylbenzene	16.088	119	3955052	9.957	ppbv	97
66) Benzyl Chloride	16.320	91	277254	11.274	ppbv	97
67) sec-Butylbenzene	16.635	105	5574358	9.771	ppbv	98
69) p-Isopropyltoluene	16.995	119	4559475	10.235	ppbv	98
70) n-Butylbenzene	17.883	91	4854609	9.830	ppbv	99
71) 2-Chlorotoluene	14.796	91	3519409	10.154	ppbv	98
72) 4-Ethyltoluene	15.188	105	3688166	10.657	ppbv	98
73) 1,3,5-Trimethylbenzene	15.349	105	3277623	10.253	ppbv	97
74) 1,2,4-Trimethylbenzene	16.105	105	3537001	9.680	ppbv	97
75) 1,3-Dichlorobenzene	16.326	146	2027281	10.130	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	1995105	10.090	ppbv	99
77) 1,2-Dichlorobenzene	17.140	146	1939639	9.802	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1470524	9.269	ppbv	99
79) Naphthalene	21.384	128	3158471	12.806	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	1056931	14.396	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.140	180	1632496	10.771	ppbv	98

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

Manual Integrations

Quant Time: May 12 05:52:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration

