

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
 Data File : VL040606.D
 Acq On : 9 Aug 2023 15:13
 Operator : SY/MD
 Sample : VL0809ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0809ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/10/2023
 Supervised By : Mahesh Dadoda 08/10/2023

Quant Time: Aug 10 01:28:34 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 10 2023

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	994635	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2414943	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2270258m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2025251 11.272 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 112.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1831798	9.207	ppbv	98
3) Chlorodifluoromethane	2.661	51	1622832	10.294	ppbv	95
4) Chloromethane	2.803	50	632418	10.126	ppbv	98
5) Vinyl Chloride	2.909	62	691394	10.543	ppbv	99
6) Bromomethane	3.111	94	298582	10.787	ppbv	98
7) Chloroethane	3.189	64	255795	11.117	ppbv	100
8) Dichlorotetrafluoroethane	2.845	85	1791350	10.944	ppbv	97
9) Propene	2.681	41	488233	9.046	ppbv	99
10) Heptane	7.587	43	1251673	10.503	ppbv	100
11) Trichlorofluoromethane	3.555	101	1863484	11.608	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.063	101	1311028	11.596	ppbv	95
13) Ethanol	3.234	45	87154m	7.422	ppbv	
14) Bromoethene	3.359	108	538705	11.081	ppbv	98
15) Acetone	3.459	43	1204844	10.524	ppbv	99
16) 1,3-Butadiene	2.973	39	629570	10.900	ppbv	97
17) tert-Butyl alcohol	3.874	59	1307968	11.045	ppbv	99
18) 1,1-Dichloroethene	3.874	96	586864	11.291	ppbv	98
19) Isopropyl Alcohol	3.571	45	641600	9.762	ppbv #	95
20) Methylene Chloride	3.928	84	512597	10.526	ppbv	99
21) Allyl Chloride	3.992	41	694581	10.624	ppbv	93
22) trans-1,2-Dichloroethene	4.443	96	573003	11.173	ppbv	96
23) Vinyl Acetate	4.626	43	1244013	11.405	ppbv	99
24) 1,1-Dichloroethane	4.562	63	1202658	10.863	ppbv	99
25) Ethyl Acetate	5.208	43	2253500	10.339	ppbv	99
26) Hexane	5.214	57	996271	9.839	ppbv	95
27) Carbon Disulfide	4.121	76	1466576	12.313	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	841140	10.318	ppbv	100
29) Chloroform	5.275	83	1768881	10.532	ppbv	96
30) Cyclohexane	6.607	84	816152	9.686	ppbv	97
31) cis-1,2-Dichloroethene	5.079	61	1033332	10.324	ppbv	95
32) 1,1,1-Trichloroethane	6.008	97	1792465	10.907	ppbv	98
34) 2-Butanone	4.787	43	1353579	11.343	ppbv	97
35) Carbon Tetrachloride	6.497	117	1848644	12.720	ppbv	99
36) Benzene	6.375	78	2037366	10.485	ppbv	95
37) 1,2-Dichloroethane	5.812	62	1346132	11.776	ppbv	97
38) Trichloroethene	7.298	130	847075	11.525	ppbv	97
39) 1,2-Dichloropropane	7.082	63	796908	10.654	ppbv	92
40) 1,4-Dioxane	7.301	88	190444	8.140	ppbv #	1
41) Tetrahydrofuran	5.555	42	748698	10.752	ppbv	97
42) Bromodichloromethane	7.256	83	1909185	12.008	ppbv	98
43) Methyl Methacrylate	7.481	69	848787	11.670	ppbv	95
44) 2,2,4-Trimethylpentane	7.333	57	3452453	11.043	ppbv	96
45) t-1,3-Dichloropropene	8.722	75	553305	11.859	ppbv	99

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Quant Time: Aug 10 01:28:34 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 10 12:48:31 2023

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	680678	11.371	ppbv	89
47) 1,1,2-Trichloroethane	8.909	97	899858	10.903	ppbv	98
48) Dibromochloromethane	9.719	129	1548308	12.134	ppbv	99
49) Bromoform	12.420	173	1281686	12.670	ppbv	100
50) 4-Methyl-2-Pentanone	8.188	43	2080741	12.001	ppbv	96
51) 2-Hexanone	9.561	43	1479418	12.066	ppbv #	96
52) Tetrachloroethene	10.629	164	703055	11.173	ppbv	97
53) Toluene	9.233	91	2385684	11.303	ppbv	99
54) 1,2-Dibromoethane	10.021	107	1165113	11.358	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.523	131	1166960	11.478	ppbv	99
57) Chlorobenzene	11.539	112	1902146	10.744	ppbv	96
58) Ethyl Benzene	12.098	91	3315725	11.638	ppbv	98
59) m/p-Xylene	12.384	91	5938069m	23.352	ppbv	
60) o-Xylene	13.069	91	2900846	11.975	ppbv	99
61) Styrene	12.912	104	1374916	12.305	ppbv	97
62) Isopropylbenzene	14.044	105	4171823	11.490	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.060	83	2068824	12.195	ppbv	100
64) n-propylbenzene	14.928	120	1088715	11.590	ppbv	92
65) tert-Butylbenzene	16.105	119	3732187	11.611	ppbv	96
66) Benzyl Chloride	16.339	91	309838	13.626	ppbv	94
67) sec-Butylbenzene	16.651	105	5367972	11.366	ppbv	99
69) p-Isopropyltoluene	17.008	119	4374567	11.209	ppbv	98
70) n-Butylbenzene	17.895	91	4894737	11.246	ppbv	99
71) 2-Chlorotoluene	14.812	91	3269084	11.683	ppbv	98
72) 4-Ethyltoluene	15.207	105	3390876	11.941	ppbv	97
73) 1,3,5-Trimethylbenzene	15.362	105	2936364	11.732	ppbv	94
74) 1,2,4-Trimethylbenzene	16.121	105	3355265	11.497	ppbv	97
75) 1,3-Dichlorobenzene	16.349	146	1910179	10.796	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	1894555	10.920	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	1821400	10.766	ppbv	98
78) Hexachloro-1,3-Butadiene	22.648	225	1301650	8.192	ppbv	99
79) Naphthalene	21.397	128	2701419	10.941	ppbv	98
80) Naphthalene,2-methyl-	24.384	142	730640	7.177	ppbv	97
81) 1,2,4-Trichlorobenzene	21.153	180	1590598	9.348	ppbv	100

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

