

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080723\
 Data File : VL040593.D
 Acq On : 7 Aug 2023 10:33
 Operator : SY/MD
 Sample : VL0807ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0807ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/08/2023
 Supervised By : Mahesh Dadoda 08/09/2023

Quant Time: Aug 08 01:40:14 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 4 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	5.192	49	1210377	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.655	114	2955887	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2778022	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 2422178 11.017 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 110.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	2300178	9.501	ppbv	99
3) Chlorodifluoromethane	2.674	51	1740763	9.073	ppbv	96
4) Chloromethane	2.812	50	661574	8.705	ppbv	96
5) Vinyl Chloride	2.918	62	748703	9.382	ppbv	97
6) Bromomethane	3.118	94	325685	9.669	ppbv	99
7) Chloroethane	3.198	64	272900	9.746	ppbv	98
8) Dichlorotetrafluoroethane	2.857	85	1903537	9.556	ppbv	99
9) Propene	2.693	41	521352	7.938	ppbv	99
10) Heptane	7.584	43	1364066	9.405	ppbv	98
11) Trichlorofluoromethane	3.562	101	2030115	10.392	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.063	101	1407655	10.231	ppbv	95
13) Ethanol	3.237	45	107418	7.517	ppbv	96
14) Bromoethene	3.365	108	601377	10.165	ppbv	99
15) Acetone	3.465	43	1309775	9.401	ppbv	99
16) 1,3-Butadiene	2.986	39	658951	9.375	ppbv	100
17) tert-Butyl alcohol	3.877	59	1391476	9.656	ppbv	99
18) 1,1-Dichloroethene	3.880	96	648153	10.247	ppbv	99
19) Isopropyl Alcohol	3.574	45	767041	9.590	ppbv #	97
20) Methylene Chloride	3.931	84	575013	9.703	ppbv	98
21) Allyl Chloride	3.996	41	748453	9.407	ppbv	94
22) trans-1,2-Dichloroethene	4.446	96	656643	10.522	ppbv	97
23) Vinyl Acetate	4.626	43	1382319	10.414	ppbv	98
24) 1,1-Dichloroethane	4.562	63	1339811	9.945	ppbv	99
25) Ethyl Acetate	5.201	43	2458931	9.270	ppbv	99
26) Hexane	5.211	57	1063349	8.629	ppbv	94
27) Carbon Disulfide	4.124	76	1634621	11.278	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	927853	9.353	ppbv	99
29) Chloroform	5.275	83	1928801	9.437	ppbv	99
30) Cyclohexane	6.600	84	906929	8.845	ppbv	97
31) cis-1,2-Dichloroethene	5.079	61	1127152	9.254	ppbv	98
32) 1,1,1-Trichloroethane	6.005	97	1940538	9.703	ppbv	99
34) 2-Butanone	4.787	43	1468288	10.053	ppbv	97
35) Carbon Tetrachloride	6.497	117	1980441	11.133	ppbv	99
36) Benzene	6.372	78	2219559	9.332	ppbv	97
37) 1,2-Dichloroethane	5.809	62	1475450	10.545	ppbv	97
38) Trichloroethene	7.295	130	925903	10.292	ppbv	98
39) 1,2-Dichloropropane	7.076	63	865118	9.449	ppbv	92
40) 1,4-Dioxane	7.291	88	284694	9.942	ppbv #	94
41) Tetrahydrofuran	5.558	42	819336	9.613	ppbv	98
42) Bromodichloromethane	7.250	83	2070565	10.640	ppbv	100
43) Methyl Methacrylate	7.478	69	920231	10.337	ppbv	95
44) 2,2,4-Trimethylpentane	7.327	57	3738527	9.770	ppbv	97
45) t-1,3-Dichloropropene	8.712	75	618562	10.832	ppbv	99

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

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	8.147	75	755615	10.313	ppbv	94
47) 1,1,2-Trichloroethane	8.902	97	963848	9.542	ppbv	99
48) Dibromochloromethane	9.712	129	1676676	10.735	ppbv	99
49) Bromoform	12.413	173	1390020	11.226	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	2242171	10.565	ppbv	96
51) 2-Hexanone	9.555	43	1603750	10.687	ppbv	97
52) Tetrachloroethene	10.619	164	772334	10.028	ppbv	94
53) Toluene	9.224	91	2578422	9.980	ppbv	100
54) 1,2-Dibromoethane	10.008	107	1263540	10.063	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.513	131	1268719	10.198	ppbv	95
57) Chlorobenzene	11.529	112	2074698	9.576	ppbv	97
58) Ethyl Benzene	12.095	91	3595692	10.314	ppbv	98
59) m/p-Xylene	12.378	91	6374499m	20.486	ppbv	
60) o-Xylene	13.063	91	3106517	10.480	ppbv	99
61) Styrene	12.902	104	1497734	10.954	ppbv	98
62) Isopropylbenzene	14.034	105	4479082	10.082	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.050	83	2200593	10.601	ppbv	100
64) n-propylbenzene	14.918	120	1161679	10.106	ppbv	94
65) tert-Butylbenzene	16.098	119	3968688	10.090	ppbv	96
66) Benzyl Chloride	16.333	91	332062	11.934	ppbv	95
67) sec-Butylbenzene	16.638	105	5700978	9.865	ppbv	98
69) p-Isopropyltoluene	17.002	119	4641275	9.719	ppbv	98
70) n-Butylbenzene	17.892	91	5198765	9.762	ppbv	99
71) 2-Chlorotoluene	14.805	91	3522612	10.288	ppbv	98
72) 4-Ethyltoluene	15.198	105	3619091	10.416	ppbv	98
73) 1,3,5-Trimethylbenzene	15.359	105	3144252	10.266	ppbv	95
74) 1,2,4-Trimethylbenzene	16.114	105	3568359	9.993	ppbv	96
75) 1,3-Dichlorobenzene	16.339	146	2035619	9.402	ppbv	98
76) 1,4-Dichlorobenzene	16.477	146	1975912	9.307	ppbv	97
77) 1,2-Dichlorobenzene	17.146	146	1951470	9.426	ppbv	99
78) Hexachloro-1,3-Butadiene	22.641	225	1409552	7.250	ppbv	99
79) Naphthalene	21.390	128	2871088	9.503	ppbv	98
80) Naphthalene,2-methyl-	24.377	142	763328	6.127	ppbv	97
81) 1,2,4-Trichlorobenzene	21.146	180	1666875	8.006	ppbv	100

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

