

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080423\
 Data File : VL040586.D
 Acq On : 4 Aug 2023 10:02
 Operator : SY/MD
 Sample : VL0804ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0804ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/07/2023
 Supervised By : Mahesh Dadoda 08/07/2023

Quant Time: Aug 05 01:07:10 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 11:21:52 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	5.189	49	1218921	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.652	114	2993415	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.468	117	2867689m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 2454882 10.816 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 108.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	2235586	9.169	ppbv	99
3) Chlorodifluoromethane	2.665	51	1747121	9.043	ppbv	95
4) Chloromethane	2.803	50	680830	8.895	ppbv	94
5) Vinyl Chloride	2.912	62	752231	9.360	ppbv	97
6) Bromomethane	3.111	94	318448	9.388	ppbv	97
7) Chloroethane	3.189	64	274630	9.739	ppbv	98
8) Dichlorotetrafluoroethane	2.848	85	1900829	9.476	ppbv	99
9) Propene	2.684	41	533086	8.060	ppbv	97
10) Heptane	7.581	43	1365088	9.347	ppbv	100
11) Trichlorofluoromethane	3.555	101	2024313	10.289	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	1439430	10.389	ppbv	93
13) Ethanol	3.234	45	117779	8.184	ppbv	99
14) Bromoethene	3.359	108	598772	10.050	ppbv	99
15) Acetone	3.459	43	1280599	9.127	ppbv	98
16) 1,3-Butadiene	2.976	39	676646	9.559	ppbv	99
17) tert-Butyl alcohol	3.870	59	1496116	10.309	ppbv	99
18) 1,1-Dichloroethene	3.874	96	652927	10.250	ppbv	99
19) Isopropyl Alcohol	3.568	45	828565	10.287	ppbv #	96
20) Methylene Chloride	3.925	84	576798	9.665	ppbv	97
21) Allyl Chloride	3.989	41	771657	9.631	ppbv	94
22) trans-1,2-Dichloroethene	4.439	96	650502	10.351	ppbv	97
23) Vinyl Acetate	4.619	43	1322070	9.891	ppbv	99
24) 1,1-Dichloroethane	4.558	63	1344108	9.907	ppbv	98
25) Ethyl Acetate	5.201	43	2448647	9.167	ppbv	99
26) Hexane	5.208	57	1093631	8.813	ppbv	97
27) Carbon Disulfide	4.118	76	1625966	11.139	ppbv	100
28) Methyl tert-Butyl Ether	4.581	73	952418	9.533	ppbv	99
29) Chloroform	5.272	83	1926335	9.359	ppbv	97
30) Cyclohexane	6.597	84	904202	8.757	ppbv	97
31) cis-1,2-Dichloroethene	5.076	61	1124886	9.171	ppbv	96
32) 1,1,1-Trichloroethane	6.002	97	1942832	9.647	ppbv	99
34) 2-Butanone	4.780	43	1471334	9.947	ppbv	98
35) Carbon Tetrachloride	6.491	117	2013222	11.175	ppbv	100
36) Benzene	6.369	78	2228028	9.250	ppbv	97
37) 1,2-Dichloroethane	5.806	62	1495079	10.551	ppbv	97
38) Trichloroethene	7.291	130	907287	9.959	ppbv	94
39) 1,2-Dichloropropane	7.073	63	872360	9.409	ppbv	92
40) 1,4-Dioxane	7.285	88	298307	10.286	ppbv #	28
41) Tetrahydrofuran	5.552	42	808904	9.371	ppbv	99
42) Bromodichloromethane	7.246	83	2110801	10.711	ppbv	99
43) Methyl Methacrylate	7.471	69	922941	10.238	ppbv	95
44) 2,2,4-Trimethylpentane	7.327	57	3743288	9.660	ppbv	96
45) t-1,3-Dichloropropene	8.713	75	626490	10.833	ppbv	95

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	752163	10.137	ppbv	97
47) 1,1,2-Trichloroethane	8.899	97	976482	9.545	ppbv	100
48) Dibromochloromethane	9.713	129	1691240	10.693	ppbv	99
49) Bromoform	12.407	173	1394470	11.121	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	2249305	10.466	ppbv	96
51) 2-Hexanone	9.549	43	1594663	10.493	ppbv #	97
52) Tetrachloroethene	10.616	164	774576	9.931	ppbv	95
53) Toluene	9.224	91	2617326	10.004	ppbv	99
54) 1,2-Dibromoethane	10.012	107	1265896	9.956	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.510	131	1264244	9.844	ppbv	97
57) Chlorobenzene	11.529	112	2083368	9.316	ppbv	95
58) Ethyl Benzene	12.092	91	3611315	10.035	ppbv	99
59) m/p-Xylene	12.375	91	6399847m	19.925	ppbv	
60) o-Xylene	13.063	91	3129561	10.228	ppbv	98
61) Styrene	12.899	104	1506278	10.672	ppbv	97
62) Isopropylbenzene	14.034	105	4477694	9.763	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.050	83	2214661	10.335	ppbv	99
64) n-propylbenzene	14.921	120	1157143	9.752	ppbv	92
65) tert-Butylbenzene	16.095	119	3984409	9.813	ppbv	96
66) Benzyl Chloride	16.330	91	335664	11.686	ppbv	96
67) sec-Butylbenzene	16.638	105	5727843	9.601	ppbv	99
69) p-Isopropyltoluene	16.998	119	4653710	9.440	ppbv	98
70) n-Butylbenzene	17.889	91	5209287	9.475	ppbv	99
71) 2-Chlorotoluene	14.802	91	3532016	9.993	ppbv	98
72) 4-Ethyltoluene	15.195	105	3631736	10.125	ppbv	97
73) 1,3,5-Trimethylbenzene	15.355	105	3167572	10.019	ppbv	96
74) 1,2,4-Trimethylbenzene	16.111	105	3568577	9.681	ppbv	97
75) 1,3-Dichlorobenzene	16.336	146	2035957	9.110	ppbv	99
76) 1,4-Dichlorobenzene	16.478	146	1981727	9.043	ppbv	97
77) 1,2-Dichlorobenzene	17.146	146	1946254	9.107	ppbv	99
78) Hexachloro-1,3-Butadiene	22.635	225	1404879m	7.000	ppbv	
79) Naphthalene	21.384	128	2857625	9.162	ppbv	99
80) Naphthalene,2-methyl-	24.378	142	812261	6.316	ppbv	97
81) 1,2,4-Trichlorobenzene	21.143	180	1682863	7.830	ppbv	100

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

