

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
 Data File : VL040763.D
 Acq On : 11 Oct 2023 19:21
 Operator : SY/MD
 Sample : VL1011ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1011ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/12/2023
 Supervised By : Mahesh Dadoda 10/16/2023

Quant Time: Oct 12 00:28:08 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Thu Oct 12 00:21:08 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	986396	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2755451	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2793790m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 1982228 9.642 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.761	85	1706983	9.827	ppbv	99
3) Chlorodifluoromethane	2.706	51	1381160	9.528	ppbv	100
4) Chloromethane	2.845	50	525913	9.188	ppbv	100
5) Vinyl Chloride	2.951	62	554234	9.371	ppbv	99
6) Bromomethane	3.147	94	246675	10.081	ppbv	98
7) Chloroethane	3.227	64	186336	9.678	ppbv	99
8) Dichlorotetrafluoroethane	2.887	85	1273277	9.670	ppbv	98
9) Propene	2.726	41	523645	9.725	ppbv	96
10) Heptane	7.594	43	1277469	9.445	ppbv	100
11) Trichlorofluoromethane	3.587	101	1305886	9.741	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.089	101	908883	9.505	ppbv	99
13) Ethanol	3.269	45	100563	8.274	ppbv	98
14) Bromoethene	3.395	108	407186	9.944	ppbv	99
15) Acetone	3.494	43	935193	9.171	ppbv	99
16) 1,3-Butadiene	3.015	39	528676	9.882	ppbv	99
17) tert-Butyl alcohol	3.903	59	913312	8.735	ppbv	98
18) 1,1-Dichloroethene	3.906	96	425728	9.934	ppbv	100
19) Isopropyl Alcohol	3.600	45	594974	9.064	ppbv #	39
20) Methylene Chloride	3.957	84	342179	8.056	ppbv	98
21) Allyl Chloride	4.018	41	659080	9.800	ppbv	98
22) trans-1,2-Dichloroethene	4.468	96	448461	9.832	ppbv	99
23) Vinyl Acetate	4.649	43	1465816	11.279	ppbv	98
24) 1,1-Dichloroethane	4.584	63	1114943	11.375	ppbv	99
25) Ethyl Acetate	5.224	43	2146323	9.606	ppbv	99
26) Hexane	5.234	57	945175	9.256	ppbv	99
27) Carbon Disulfide	4.147	76	1098950	9.754	ppbv	100
28) Methyl tert-Butyl Ether	4.607	73	917762	11.558	ppbv	99
29) Chloroform	5.295	83	1462884	9.901	ppbv	98
30) Cyclohexane	6.616	84	840440	9.672	ppbv	97
31) cis-1,2-Dichloroethene	5.099	61	961290	10.215	ppbv	98
32) 1,1,1-Trichloroethane	6.021	97	1489969	9.475	ppbv	99
34) 2-Butanone	4.806	43	1349341	10.819	ppbv	98
35) Carbon Tetrachloride	6.510	117	1545610	9.994	ppbv	95
36) Benzene	6.388	78	2061106	9.725	ppbv	98
37) 1,2-Dichloroethane	5.825	62	1091616	10.057	ppbv	100
38) Trichloroethene	7.304	130	797349	8.501	ppbv	97
39) 1,2-Dichloropropane	7.089	63	793240	9.580	ppbv	97
40) 1,4-Dioxane	7.298	88	302704	9.660	ppbv #	97
41) Tetrahydrofuran	5.575	42	850153	9.843	ppbv	99
42) Bromodichloromethane	7.263	83	1629466	10.021	ppbv	98
43) Methyl Methacrylate	7.488	69	843200	9.939	ppbv	98
44) 2,2,4-Trimethylpentane	7.343	57	3326486	9.281	ppbv	99
45) t-1,3-Dichloropropene	8.722	75	718759	10.624	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	824956	9.981	ppbv	98
47) 1,1,2-Trichloroethane	8.909	97	849813	9.770	ppbv	99
48) Dibromochloromethane	9.722	129	1481896	10.167	ppbv	100
49) Bromoform	12.417	173	1228788	10.370	ppbv	100
50) 4-Methyl-2-Pentanone	8.195	43	2069426	9.699	ppbv	100
51) 2-Hexanone	9.558	43	1537619	9.469	ppbv #	98
52) Tetrachloroethene	10.623	164	766173	8.900	ppbv	97
53) Toluene	9.234	91	2387758	9.466	ppbv	98
54) 1,2-Dibromoethane	10.021	107	1236493	10.141	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.520	131	1058660	9.285	ppbv	96
57) Chlorobenzene	11.536	112	1830255	9.143	ppbv	100
58) Ethyl Benzene	12.098	91	3171193	9.015	ppbv	98
59) m/p-Xylene	12.378	91	5240315m	18.101	ppbv	
60) o-Xylene	13.066	91	2475145	8.973	ppbv	99
61) Styrene	12.905	104	1444438	9.451	ppbv	100
62) Isopropylbenzene	14.037	105	3805764	8.968	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.057	83	1761325	8.517	ppbv	99
64) n-propylbenzene	14.925	120	1055786	9.261	ppbv	99
65) tert-Butylbenzene	16.095	119	3348494	8.748	ppbv	100
66) Benzyl Chloride	16.333	91	377943	9.801	ppbv	100
67) sec-Butylbenzene	16.642	105	4691973	8.953	ppbv	99
69) p-Isopropyltoluene	17.002	119	3949604	8.994	ppbv	99
70) n-Butylbenzene	17.892	91	3903545	9.053	ppbv	100
71) 2-Chlorotoluene	14.809	91	2874538	9.017	ppbv	99
72) 4-Ethyltoluene	15.198	105	3017757	9.342	ppbv	99
73) 1,3,5-Trimethylbenzene	15.359	105	2638352	9.277	ppbv	99
74) 1,2,4-Trimethylbenzene	16.114	105	2784049	8.959	ppbv	96
75) 1,3-Dichlorobenzene	16.336	146	1769989	9.159	ppbv	100
76) 1,4-Dichlorobenzene	16.481	146	1755166	9.171	ppbv	99
77) 1,2-Dichlorobenzene	17.150	146	1717681	9.058	ppbv	99
78) Hexachloro-1,3-Butadiene	22.641	225	1098189	8.094	ppbv	99
79) Naphthalene	21.391	128	2599324	10.291	ppbv	100
80) Naphthalene,2-methyl-	24.381	142	740182	10.443	ppbv	98
81) 1,2,4-Trichlorobenzene	21.146	180	1281426	9.344	ppbv	99

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

