

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040925.D
 Acq On : 21 Dec 2023 11:14
 Operator : SY/MD
 Sample : VL1221ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1221ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/25/2023
 Supervised By :Mahesh Dadoda 12/26/2023

Quant Time: Dec 22 00:04:51 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Thu Dec 21 07:32:42 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1163192	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3037149	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	3109927	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.741 95 2152824 9.398 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.751	85	1912663	8.633	ppbv	98
3) Chlorodifluoromethane	2.697	51	1726958	9.866	ppbv	100
4) Chloromethane	2.832	50	650958	10.086	ppbv	95
5) Vinyl Chloride	2.938	62	674575	10.827	ppbv	95
6) Bromomethane	3.134	94	291043	10.530	ppbv	98
7) Chloroethane	3.211	64	229281	10.323	ppbv	97
8) Dichlorotetrafluoroethane	2.877	85	1608235	10.074	ppbv	100
9) Propene	2.716	41	583512	10.103	ppbv	98
10) Heptane	7.558	43	1463899	10.196	ppbv	100
11) Trichlorofluoromethane	3.571	101	1797396	10.376	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.070	101	1290145	9.591	ppbv	99
13) Ethanol	3.253	45	128801	8.840	ppbv	99
14) Bromoethene	3.378	108	513011	10.406	ppbv	98
15) Acetone	3.478	43	1237059	8.867	ppbv	99
16) 1,3-Butadiene	3.002	39	638938	10.637	ppbv	99
17) tert-Butyl alcohol	3.883	59	1098819	10.648	ppbv	98
18) 1,1-Dichloroethene	3.886	96	564262	10.160	ppbv	99
19) Isopropyl Alcohol	3.584	45	778480	10.694	ppbv	99
20) Methylene Chloride	3.938	84	463728	9.326	ppbv	98
21) Allyl Chloride	3.999	41	842266	10.214	ppbv	99
22) trans-1,2-Dichloroethene	4.446	96	614535	9.704	ppbv	97
23) Vinyl Acetate	4.623	43	1474021	9.578	ppbv	98
24) 1,1-Dichloroethane	4.562	63	1218654	8.852	ppbv	99
25) Ethyl Acetate	5.195	43	2401016	9.933	ppbv	99
26) Hexane	5.208	57	1051047	9.811	ppbv	100
27) Carbon Disulfide	4.128	76	1460704	10.075	ppbv	97
28) Methyl tert-Butyl Ether	4.584	73	903418	9.088	ppbv	99
29) Chloroform	5.269	83	1782675	9.861	ppbv	100
30) Cyclohexane	6.587	84	897511	10.049	ppbv	97
31) cis-1,2-Dichloroethene	5.073	61	960357	8.727	ppbv	99
32) 1,1,1-Trichloroethane	5.989	97	1829408	10.466	ppbv	99
34) 2-Butanone	4.780	43	1355605	8.438	ppbv	100
35) Carbon Tetrachloride	6.475	117	1931877	10.157	ppbv	99
36) Benzene	6.356	78	2320070	9.772	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1380210	9.702	ppbv	99
38) Trichloroethene	7.275	130	915119	10.262	ppbv	97
39) 1,2-Dichloropropane	7.053	63	911089	9.765	ppbv	98
40) 1,4-Dioxane	7.262	88	366957	9.315	ppbv	97
41) Tetrahydrofuran	5.545	42	967906	9.902	ppbv	98
42) Bromodichloromethane	7.230	83	2024365	9.866	ppbv	98
43) Methyl Methacrylate	7.452	69	959231m	10.300	ppbv	
44) 2,2,4-Trimethylpentane	7.307	57	3819665	9.471	ppbv	100
45) t-1,3-Dichloropropene	8.684	75	790813	11.446	ppbv	100

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Quant Time: Dec 22 00:04:51 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Dec 21 07:32:42 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	911962	10.661	ppbv	99
47) 1,1,2-Trichloroethane	8.873	97	973543	9.837	ppbv	99
48) Dibromochloromethane	9.680	129	1742305	10.313	ppbv	99
49) Bromoform	12.378	173	1397679	10.722	ppbv	99
50) 4-Methyl-2-Pentanone	8.160	43	2410438	9.906	ppbv	98
51) 2-Hexanone	9.523	43	1800535	10.281	ppbv	100
52) Tetrachloroethene	10.590	164	805036	10.066	ppbv	98
53) Toluene	9.195	91	2653955	10.081	ppbv	99
54) 1,2-Dibromoethane	9.979	107	1414796	10.417	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.478	131	1224695	9.005	ppbv	99
57) Chlorobenzene	11.497	112	2059083	8.991	ppbv	98
58) Ethyl Benzene	12.056	91	3594537	8.999	ppbv	99
59) m/p-Xylene	12.339	91	6057032m	17.827	ppbv	
60) o-Xylene	13.027	91	2869732	8.964	ppbv	100
61) Styrene	12.867	104	1528022	10.041	ppbv	99
62) Isopropylbenzene	13.995	105	4216692	8.882	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.015	83	2102828	9.118	ppbv	99
64) n-propylbenzene	14.883	120	1102713	9.260	ppbv	100
65) tert-Butylbenzene	16.056	119	3713765	9.203	ppbv	100
66) Benzyl Chloride	16.294	91	317228	11.488	ppbv	100
67) sec-Butylbenzene	16.603	105	5245366	8.944	ppbv	100
69) p-Isopropyltoluene	16.963	119	4229373	9.278	ppbv	99
70) n-Butylbenzene	17.857	91	4506383	9.523	ppbv	99
71) 2-Chlorotoluene	14.767	91	3288177	8.994	ppbv	100
72) 4-Ethyltoluene	15.162	105	3355602	9.551	ppbv	99
73) 1,3,5-Trimethylbenzene	15.320	105	2900936	9.566	ppbv	98
74) 1,2,4-Trimethylbenzene	16.076	105	3169223	9.390	ppbv	98
75) 1,3-Dichlorobenzene	16.297	146	1841848	9.554	ppbv	99
76) 1,4-Dichlorobenzene	16.442	146	1801265	9.551	ppbv	98
77) 1,2-Dichlorobenzene	17.108	146	1740181	9.370	ppbv	100
78) Hexachloro-1,3-Butadiene	22.593	225	945694	8.279	ppbv	99
79) Naphthalene	21.349	128	2142564m	13.176	ppbv	
80) Naphthalene,2-methyl-	24.349	142	418580	14.083	ppbv	97
81) 1,2,4-Trichlorobenzene	21.108	180	1082581	11.596	ppbv	98

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

