

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011623\
 Data File : VL040100.D
 Acq On : 16 Jan 2023 16:28
 Operator : SY/MD
 Sample : VL0116ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0116ABS01

Quant Time: Jan 16 17:21:05 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

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

QLast Update : Mon Jan 16 14:40:47 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/17/2023
 Supervised By : Mahesh Dadoda 01/17/2023

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

Internal Standards						
1) Bromochloromethane	5.195	49	1206029	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.661	114	3009097	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	3105543m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 2440429 9.455 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	2156666	10.199	ppbv	100
3) Chlorodifluoromethane	2.665	51	1266054	8.752	ppbv	98
4) Chloromethane	2.803	50	809159	9.051	ppbv	97
5) Vinyl Chloride	2.912	62	702021	9.262	ppbv	98
6) Bromomethane	3.115	94	237489	8.587	ppbv	96
7) Chloroethane	3.192	64	259074	8.942	ppbv	99
8) Dichlorotetrafluoroethane	2.848	85	1731764	8.773	ppbv	99
9) Propene	2.684	41	531286	8.840	ppbv	98
10) Heptane	7.587	43	1347381	9.727	ppbv	100
11) Trichlorofluoromethane	3.558	101	1801623	8.537	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.063	101	1344197	8.473	ppbv	98
13) Ethanol	3.240	45	33748m	6.101	ppbv	
14) Bromoethene	3.359	108	544909	9.252	ppbv	98
15) Acetone	3.462	43	1199528	8.293	ppbv	99
16) 1,3-Butadiene	2.977	39	629544	9.336	ppbv	98
17) tert-Butyl alcohol	3.874	59	1152053	8.553	ppbv	100
18) 1,1-Dichloroethene	3.877	96	595742	8.642	ppbv	100
19) Isopropyl Alcohol	3.571	45	574826	8.123	ppbv	99
20) Methylene Chloride	3.931	84	504322	7.903	ppbv	94
21) Allyl Chloride	3.996	41	868067	9.347	ppbv	96
22) trans-1,2-Dichloroethene	4.446	96	634893	9.014	ppbv	97
23) Vinyl Acetate	4.626	43	440811	9.402	ppbv #	97
24) 1,1-Dichloroethane	4.565	63	1252763	8.823	ppbv	99
25) Ethyl Acetate	5.205	43	2484665	9.751	ppbv	100
26) Hexane	5.214	57	1053735	9.449	ppbv	99
27) Carbon Disulfide	4.121	76	1478082	10.231	ppbv	99
28) Methyl tert-Butyl Ether	4.587	73	1126973	8.983	ppbv	99
29) Chloroform	5.279	83	1798223	10.086	ppbv	98
30) Cyclohexane	6.610	84	870590	9.821	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	1066463	9.879	ppbv	99
32) 1,1,1-Trichloroethane	6.009	97	1789119	9.873	ppbv	100
34) 2-Butanone	4.787	43	1366860	9.603	ppbv	100
35) Carbon Tetrachloride	6.500	117	1825414	10.729	ppbv	98
36) Benzene	6.378	78	2210167	9.925	ppbv	99
37) 1,2-Dichloroethane	5.812	62	1403049	9.803	ppbv	100
38) Trichloroethene	7.301	130	1294568	10.243	ppbv	98
39) 1,2-Dichloropropane	7.082	63	862418	9.901	ppbv	98
40) 1,4-Dioxane	7.298	88	304628	8.813	ppbv	73
41) Tetrahydrofuran	5.562	42	860864	10.479	ppbv	100
42) Bromodichloromethane	7.256	83	1977029	10.229	ppbv	96
43) Methyl Methacrylate	7.484	69	887468	10.860	ppbv	99
44) 2,2,4-Trimethylpentane	7.333	57	3670322	9.911	ppbv	99
45) t-1,3-Dichloropropene	8.722	75	867060	11.899	ppbv	98

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QLast Update : Mon Jan 16 14:40:47 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	1169603	11.746	ppbv	98
47) 1,1,2-Trichloroethane	8.912	97	924559	10.082	ppbv	98
48) Dibromochloromethane	9.722	129	1578816	10.712	ppbv	99
49) Bromoform	12.426	173	1203837	10.603	ppbv	100
50) 4-Methyl-2-Pentanone	8.192	43	2307113	10.305	ppbv	100
51) 2-Hexanone	9.565	43	1814913	10.700	ppbv #	99
52) Tetrachloroethene	10.632	164	747331	10.259	ppbv	96
53) Toluene	9.233	91	2514723	10.588	ppbv	100
54) 1,2-Dibromoethane	10.021	107	1041989	10.853	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.526	131	1128225	9.334	ppbv	96
57) Chlorobenzene	11.542	112	1903892	8.994	ppbv	99
58) Ethyl Benzene	12.105	91	3405794	9.827	ppbv	100
59) m/p-Xylene	12.391	91	5845032m	18.758	ppbv	
60) o-Xylene	13.076	91	2805908	9.487	ppbv	100
61) Styrene	12.915	104	1618617	10.502	ppbv	98
62) Isopropylbenzene	14.047	105	3892974	9.151	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	914315	8.514	ppbv	99
64) n-propylbenzene	14.934	120	982814	9.293	ppbv	99
65) tert-Butylbenzene	16.111	119	3307250	9.080	ppbv	100
66) Benzyl Chloride	16.346	91	214603	8.621	ppbv #	95
67) sec-Butylbenzene	16.658	105	4664116	9.033	ppbv	100
69) p-Isopropyltoluene	17.011	119	3721265	9.171	ppbv	100
70) n-Butylbenzene	17.905	91	4003918	9.150	ppbv	100
71) 2-Chlorotoluene	14.818	91	2979563	9.106	ppbv	100
72) 4-Ethyltoluene	15.211	105	3052504	9.301	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	2744540	9.287	ppbv	99
74) 1,2,4-Trimethylbenzene	16.130	105	2961238	9.046	ppbv	93
75) 1,3-Dichlorobenzene	16.349	146	1597523	8.787	ppbv	100
76) 1,4-Dichlorobenzene	16.494	146	1565183	8.756	ppbv	100
77) 1,2-Dichlorobenzene	17.166	146	1517941	8.730	ppbv	99
78) Hexachloro-1,3-Butadiene	22.654	225	1137816	8.934	ppbv	99
79) Naphthalene	21.407	128	2403894	12.819	ppbv	99
80) Naphthalene,2-methyl-	24.390	142	600875	9.509	ppbv	97
81) 1,2,4-Trichlorobenzene	21.166	180	1209342	10.463	ppbv	99

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

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