

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031424\
 Data File : VL041106.D
 Acq On : 14 Mar 2024 14:28
 Operator : SY/MD
 Sample : VL0314ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0314ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/18/2024
 Supervised By : Mahesh Dadoda 03/18/2024

Quant Time: Mar 15 02:46:56 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

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

QLast Update : Fri Mar 15 02:44:43 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1333727	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3377968	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	3405335m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2581163 9.695 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	1882217	7.406	ppbv	99
3) Chlorodifluoromethane	2.658	51	1949940	9.955	ppbv	99
4) Chloromethane	2.800	50	729774	9.844	ppbv	99
5) Vinyl Chloride	2.906	62	759475	10.067	ppbv	99
6) Bromomethane	3.105	94	230138	7.693	ppbv	95
7) Chloroethane	3.182	64	269744	10.297	ppbv	91
8) Dichlorotetrafluoroethane	2.842	85	1883160	10.204	ppbv	97
9) Propene	2.681	41	655304	10.045	ppbv	99
10) Heptane	7.574	43	1646032	10.546	ppbv	98
11) Trichlorofluoromethane	3.549	101	1932419	9.861	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.054	101	1376321	9.552	ppbv	98
13) Ethanol	3.227	45	146311	8.416	ppbv	99
14) Bromoethene	3.353	108	573973	10.217	ppbv	100
15) Acetone	3.452	43	1370728	9.021	ppbv	99
16) 1,3-Butadiene	2.970	39	726733	10.544	ppbv	100
17) tert-Butyl alcohol	3.864	59	1350196	12.001	ppbv	99
18) 1,1-Dichloroethene	3.867	96	599686	9.536	ppbv	98
19) Isopropyl Alcohol	3.562	45	938664	11.565	ppbv	100
20) Methylene Chloride	3.922	84	514939	8.693	ppbv	94
21) Allyl Chloride	3.983	41	818638	9.539	ppbv	99
22) trans-1,2-Dichloroethene	4.436	96	631573	8.603	ppbv	98
23) Vinyl Acetate	4.616	43	1468203	8.539	ppbv	99
24) 1,1-Dichloroethane	4.552	63	1258931	8.105	ppbv	100
25) Ethyl Acetate	5.195	43	2778251	10.149	ppbv	99
26) Hexane	5.202	57	1179829	9.643	ppbv	96
27) Carbon Disulfide	4.112	76	1497504	10.210	ppbv	99
28) Methyl tert-Butyl Ether	4.575	73	866117	8.006	ppbv	98
29) Chloroform	5.266	83	2045285	9.816	ppbv	97
30) Cyclohexane	6.591	84	1007715	9.939	ppbv	98
31) cis-1,2-Dichloroethene	5.070	61	1207716	10.140	ppbv	96
32) 1,1,1-Trichloroethane	5.996	97	2004912	10.625	ppbv	99
34) 2-Butanone	4.774	43	1391077	8.317	ppbv	99
35) Carbon Tetrachloride	6.488	117	2119134	10.735	ppbv	99
36) Benzene	6.362	78	2559214	10.178	ppbv	100
37) 1,2-Dichloroethane	5.800	62	1540049	10.180	ppbv	99
38) Trichloroethene	7.285	130	1025303	11.227	ppbv	94
39) 1,2-Dichloropropane	7.066	63	1002487	9.967	ppbv	98
40) 1,4-Dioxane	7.282	88	410147	10.357	ppbv	98
41) Tetrahydrofuran	5.546	42	1042720	10.475	ppbv	100
42) Bromodichloromethane	7.240	83	2276797	10.505	ppbv	96
43) Methyl Methacrylate	7.468	69	1068736	10.988	ppbv	99
44) 2,2,4-Trimethylpentane	7.320	57	4251410	10.125	ppbv	99
45) t-1,3-Dichloropropene	8.703	75	563224	8.413	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	743787	8.846	ppbv	97
47) 1,1,2-Trichloroethane	8.893	97	1103861	10.289	ppbv	98
48) Dibromochloromethane	9.706	129	1893112	10.826	ppbv	99
49) Bromoform	12.404	173	1541938	11.086	ppbv	98
50) 4-Methyl-2-Pentanone	8.176	43	2754212	11.165	ppbv	98
51) 2-Hexanone	9.542	43	2055646	11.377	ppbv	99
52) Tetrachloroethene	10.613	164	871172	11.170	ppbv	95
53) Toluene	9.214	91	2944328	10.863	ppbv	99
54) 1,2-Dibromoethane	10.005	107	1440451	10.440	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.507	131	1369875	9.402	ppbv	95
57) Chlorobenzene	11.523	112	2279665	9.497	ppbv	98
58) Ethyl Benzene	12.086	91	4015812	10.073	ppbv	97
59) m/p-Xylene	12.368	91	6928847m	19.799	ppbv	
60) o-Xylene	13.053	91	3312737	9.970	ppbv	99
61) Styrene	12.896	104	1672485	11.146	ppbv	100
62) Isopropylbenzene	14.028	105	4810334	9.745	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.044	83	2505133	10.030	ppbv	100
64) n-propylbenzene	14.912	120	1263589	10.174	ppbv	100
65) tert-Butylbenzene	16.089	119	4237016	9.876	ppbv	100
66) Benzyl Chloride	16.326	91	193371m	6.653	ppbv	
67) sec-Butylbenzene	16.632	105	6084831	9.860	ppbv	100
69) p-Isopropyltoluene	16.989	119	4875362	10.128	ppbv	100
70) n-Butylbenzene	17.883	91	5286224	10.161	ppbv	99
71) 2-Chlorotoluene	14.799	91	3758083	9.953	ppbv	99
72) 4-Ethyltoluene	15.188	105	3831850	10.474	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	3334060	10.298	ppbv	96
74) 1,2,4-Trimethylbenzene	16.105	105	3687689	9.973	ppbv	98
75) 1,3-Dichlorobenzene	16.326	146	2110136	9.993	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	2053617	9.652	ppbv	100
77) 1,2-Dichlorobenzene	17.137	146	2053961	9.954	ppbv	99
78) Hexachloro-1,3-Butadiene	22.628	225	1215817	8.370	ppbv	99
79) Naphthalene	21.378	128	2840414	13.265	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	503806	14.678	ppbv	92
81) 1,2,4-Trichlorobenzene	21.137	180	1391162	11.282	ppbv	99

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

