

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL013023\
 Data File : VL040128.D
 Acq On : 30 Jan 2023 11:41
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/31/2023
 Supervised By : Mahesh Dadoda 01/31/2023

Quant Time: Jan 31 05:04:55 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

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

Internal Standards						
1) Bromochloromethane	5.179	49	921047	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2539084	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2533740m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1911083 9.075 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 90.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	1755756	10.872	ppbv	98
3) Chlorodifluoromethane	2.655	51	1074067	9.722	ppbv	96
4) Chloromethane	2.793	50	703924	10.310	ppbv	98
5) Vinyl Chloride	2.902	62	600730	10.378	ppbv	99
6) Bromomethane	3.102	94	195592	9.260	ppbv	98
7) Chloroethane	3.179	64	220249	9.955	ppbv	99
8) Dichlorotetrafluoroethane	2.838	85	1426058	9.459	ppbv	96
9) Propene	2.674	41	487394	10.619	ppbv	99
10) Heptane	7.568	43	1192413	11.272	ppbv	98
11) Trichlorofluoromethane	3.545	101	1441512	8.944	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.047	101	1075808	8.879	ppbv	94
13) Ethanol	3.227	45	34755m	8.227	ppbv	
14) Bromoethene	3.349	108	453111	10.074	ppbv	99
15) Acetone	3.449	43	1051917	9.523	ppbv	96
16) 1,3-Butadiene	2.967	39	536726	10.422	ppbv	99
17) tert-Butyl alcohol	3.861	59	1051952	10.227	ppbv	100
18) 1,1-Dichloroethene	3.864	96	502887	9.553	ppbv	98
19) Isopropyl Alcohol	3.558	45	527593	9.762	ppbv #	97
20) Methylene Chloride	3.915	84	422478	8.669	ppbv	94
21) Allyl Chloride	3.980	41	754808	10.642	ppbv	97
22) trans-1,2-Dichloroethene	4.430	96	527698	9.810	ppbv	95
23) Vinyl Acetate	4.613	43	386838	10.803	ppbv #	97
24) 1,1-Dichloroethane	4.549	63	1072023	9.887	ppbv	99
25) Ethyl Acetate	5.189	43	2128495	10.938	ppbv	99
26) Hexane	5.198	57	944896	11.095	ppbv	95
27) Carbon Disulfide	4.108	76	1350394	12.240	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	1013461	10.578	ppbv	100
29) Chloroform	5.259	83	1494784	10.978	ppbv	98
30) Cyclohexane	6.590	84	802279	11.850	ppbv	95
31) cis-1,2-Dichloroethene	5.063	61	830321	10.071	ppbv	98
32) 1,1,1-Trichloroethane	5.989	97	1500950	10.845	ppbv	100
34) 2-Butanone	4.771	43	1194229	9.944	ppbv	99
35) Carbon Tetrachloride	6.481	117	1590241	11.077	ppbv	99
36) Benzene	6.359	78	2027818	10.792	ppbv	98
37) 1,2-Dichloroethane	5.790	62	1136054	9.406	ppbv	98
38) Trichloroethene	7.278	130	1176843	11.036	ppbv	95
39) 1,2-Dichloropropane	7.063	63	763385	10.387	ppbv	94
40) 1,4-Dioxane	7.275	88	303679	10.412	ppbv	97
41) Tetrahydrofuran	5.542	42	776373	11.200	ppbv	97
42) Bromodichloromethane	7.237	83	1732614	10.624	ppbv	99
43) Methyl Methacrylate	7.465	69	809644	11.742	ppbv	96
44) 2,2,4-Trimethylpentane	7.314	57	3269600	10.463	ppbv	98
45) t-1,3-Dichloropropene	8.700	75	811156	13.193	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.130	75	1083095	12.891	ppbv	94
47) 1,1,2-Trichloroethane	8.886	97	834929	10.790	ppbv	99
48) Dibromochloromethane	9.700	129	1480326	11.903	ppbv	99
49) Bromoform	12.397	173	1206064	12.589	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2041912	10.809	ppbv	98
51) 2-Hexanone	9.542	43	1602876	11.200	ppbv #	95
52) Tetrachloroethene	10.606	164	707651	11.512	ppbv	98
53) Toluene	9.211	91	2341326	11.683	ppbv	99
54) 1,2-Dibromoethane	9.999	107	961989	11.875	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.500	131	1014244	10.285	ppbv	97
57) Chlorobenzene	11.516	112	1796862	10.404	ppbv	94
58) Ethyl Benzene	12.082	91	3146279	11.127	ppbv	97
59) m/p-Xylene	12.365	91	5283780m	20.783	ppbv	
60) o-Xylene	13.050	91	2519303	10.440	ppbv	98
61) Styrene	12.892	104	1538283	12.233	ppbv	96
62) Isopropylbenzene	14.024	105	3598564	10.368	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.043	83	845354	9.648	ppbv	99
64) n-propylbenzene	14.912	120	939324	10.886	ppbv	92
65) tert-Butylbenzene	16.085	119	3109573	10.464	ppbv	96
66) Benzyl Chloride	16.323	91	269628	13.276	ppbv #	92
67) sec-Butylbenzene	16.632	105	4364595	10.360	ppbv	99
69) p-Isopropyltoluene	16.989	119	3563620	10.764	ppbv	98
70) n-Butylbenzene	17.883	91	3696536	10.354	ppbv	99
71) 2-Chlorotoluene	14.796	91	2755157	10.321	ppbv	97
72) 4-Ethyltoluene	15.188	105	2900106	10.830	ppbv	98
73) 1,3,5-Trimethylbenzene	15.349	105	2551567	10.583	ppbv	98
74) 1,2,4-Trimethylbenzene	16.101	105	2755210	10.316	ppbv	98
75) 1,3-Dichlorobenzene	16.326	146	1549136	10.443	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	1537201	10.540	ppbv	98
77) 1,2-Dichlorobenzene	17.137	146	1475999	10.405	ppbv	99
78) Hexachloro-1,3-Butadiene	22.632	225	978398	9.416	ppbv	99
79) Naphthalene	21.378	128	2061410	13.473	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	683518	13.258	ppbv	98
81) 1,2,4-Trichlorobenzene	21.133	180	1079623	11.449	ppbv	99

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

