

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112723\
 Data File : VL040902.D
 Acq On : 27 Nov 2023 9:32
 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 11/28/2023
 Supervised By : Mahesh Dadoda 11/28/2023

Quant Time: Nov 28 04:32:30 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M

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

QLast Update : Tue Nov 28 04:31:59 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.227	49	953066	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.684	114	2262830	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	2170953	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 1740773 10.242 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.783	85	1865845	9.657	ppbv	99
3) Chlorodifluoromethane	2.729	51	1463251	9.616	ppbv	100
4) Chloromethane	2.867	50	529314	9.673	ppbv	97
5) Vinyl Chloride	2.973	62	553193	10.165	ppbv	99
6) Bromomethane	3.169	94	210730	10.144	ppbv	99
7) Chloroethane	3.246	64	193232	10.254	ppbv	94
8) Dichlorotetrafluoroethane	2.909	85	1350604	9.681	ppbv	99
9) Propene	2.748	41	487724	9.511	ppbv	100
10) Heptane	7.606	43	1234550	9.786	ppbv	99
11) Trichlorofluoromethane	3.607	101	1499608	10.101	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.105	101	1045983	9.918	ppbv	99
13) Ethanol	3.288	45	106463m	10.691	ppbv	
14) Bromoethene	3.414	108	434361	10.240	ppbv	99
15) Acetone	3.513	43	1008781	9.938	ppbv	99
16) 1,3-Butadiene	3.034	39	551156	10.733	ppbv	97
17) tert-Butyl alcohol	3.922	59	913654	10.526	ppbv	99
18) 1,1-Dichloroethene	3.922	96	458003	9.743	ppbv	98
19) Isopropyl Alcohol	3.619	45	684129	11.199	ppbv	99
20) Methylene Chloride	3.976	84	377560	9.013	ppbv	94
21) Allyl Chloride	4.037	41	637117	9.808	ppbv	97
22) trans-1,2-Dichloroethene	4.484	96	576765	10.811	ppbv	97
23) Vinyl Acetate	4.664	43	1424124	10.865	ppbv	99
24) 1,1-Dichloroethane	4.603	63	1197153	10.247	ppbv	99
25) Ethyl Acetate	5.237	43	2126520	10.118	ppbv	100
26) Hexane	5.246	57	910642	9.790	ppbv	99
27) Carbon Disulfide	4.166	76	1183351	10.032	ppbv	99
28) Methyl tert-Butyl Ether	4.626	73	865516	10.289	ppbv	100
29) Chloroform	5.307	83	1527810	9.691	ppbv	99
30) Cyclohexane	6.632	84	750820	9.383	ppbv	96
31) cis-1,2-Dichloroethene	5.115	61	941763	10.231	ppbv	96
32) 1,1,1-Trichloroethane	6.034	97	1523396	10.357	ppbv	99
34) 2-Butanone	4.822	43	1345822	11.675	ppbv	99
35) Carbon Tetrachloride	6.520	117	1601467	11.535	ppbv	99
36) Benzene	6.401	78	1909387	10.397	ppbv	99
37) 1,2-Dichloroethane	5.838	62	1202121	11.098	ppbv	99
38) Trichloroethene	7.317	130	712181	9.977	ppbv	97
39) 1,2-Dichloropropane	7.098	63	751608	10.322	ppbv	95
40) 1,4-Dioxane	7.311	88	302565	10.472	ppbv #	97
41) Tetrahydrofuran	5.590	42	797202	11.232	ppbv	98
42) Bromodichloromethane	7.275	83	1705810	11.005	ppbv	99
43) Methyl Methacrylate	7.500	69	795217	11.363	ppbv	99
44) 2,2,4-Trimethylpentane	7.352	57	3211036	10.526	ppbv	99
45) t-1,3-Dichloropropene	8.732	75	534578	12.999	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.169	75	661641	12.408	ppbv	99
47) 1,1,2-Trichloroethane	8.921	97	780275	10.226	ppbv	96
48) Dibromochloromethane	9.729	129	1390075	10.980	ppbv	99
49) Bromoform	12.423	173	1109253	11.649	ppbv	99
50) 4-Methyl-2-Pentanone	8.201	43	2036953	11.418	ppbv	99
51) 2-Hexanone	9.571	43	1462570	11.630	ppbv	100
52) Tetrachloroethene	10.632	164	635469	10.275	ppbv	95
53) Toluene	9.240	91	2141001	10.594	ppbv	98
54) 1,2-Dibromoethane	10.028	107	1077088	10.969	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.526	131	998575	10.747	ppbv	96
57) Chlorobenzene	11.545	112	1619649	10.065	ppbv	96
58) Ethyl Benzene	12.105	91	2913123	10.284	ppbv	100
59) m/p-Xylene	12.384	91	4999386m	20.726	ppbv	
60) o-Xylene	13.076	91	2353115	10.248	ppbv	98
61) Styrene	12.915	104	1184400	10.695	ppbv	99
62) Isopropylbenzene	14.043	105	3394709	10.006	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	1716290	10.546	ppbv	99
64) n-propylbenzene	14.931	120	865658	10.181	ppbv	93
65) tert-Butylbenzene	16.101	119	2916370	10.195	ppbv	97
66) Benzyl Chloride	16.342	91	113552	10.773	ppbv #	96
67) sec-Butylbenzene	16.648	105	4165321	10.194	ppbv	99
69) p-Isopropyltoluene	17.008	119	3311814	10.164	ppbv	99
70) n-Butylbenzene	17.899	91	3553106	10.327	ppbv	99
71) 2-Chlorotoluene	14.818	91	2666588	10.311	ppbv	99
72) 4-Ethyltoluene	15.204	105	2664589	10.556	ppbv	98
73) 1,3,5-Trimethylbenzene	15.365	105	2309977	10.347	ppbv	99
74) 1,2,4-Trimethylbenzene	16.121	105	2519589	10.113	ppbv	96
75) 1,3-Dichlorobenzene	16.346	146	1401451	10.188	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	1371061	10.410	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	1333386	9.969	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	742655m	8.868	ppbv	
79) Naphthalene	21.400	128	1534836	11.986	ppbv	99
80) Naphthalene,2-methyl-	24.390	142	238142	10.536	ppbv	94
81) 1,2,4-Trichlorobenzene	21.156	180	800161	10.279	ppbv	98

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

