

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092723\
 Data File : VL040732.D
 Acq On : 28 Sep 2023 8:13
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/28/2023
 Supervised By : Mahesh Dadoda 09/28/2023

Quant Time: Sep 28 08:46:16 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M

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

QLast Update : Tue Sep 19 05:12:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1218357	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.645	114	3414277	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.445	117	3288102m	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.751 95 2231521 8.784 ppbv -0.04
 Spiked Amount 10.000 Range 65 - 135 Recovery = 87.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.742	85	2439431	9.087	ppbv	100
3) Chlorodifluoromethane	2.687	51	1899927	9.572	ppbv	95
4) Chloromethane	2.825	50	778383	10.244	ppbv	98
5) Vinyl Chloride	2.931	62	856850	9.541	ppbv	99
6) Bromomethane	3.127	94	388570	8.968	ppbv	97
7) Chloroethane	3.205	64	305781	9.913	ppbv	97
8) Dichlorotetrafluoroethane	2.867	85	2025360	9.139	ppbv	99
9) Propene	2.706	41	662363	11.584	ppbv	99
10) Heptane	7.565	43	1541622	11.965	ppbv	97
11) Trichlorofluoromethane	3.565	101	1954187	8.281	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.066	101	1550308	9.184	ppbv	99
13) Ethanol	3.243	45	155248	9.173	ppbv	95
14) Bromoethene	3.372	108	668456	9.441	ppbv	99
15) Acetone	3.471	43	1444063	8.986	ppbv	99
16) 1,3-Butadiene	2.996	39	718649	10.261	ppbv	90
17) tert-Butyl alcohol	3.880	59	1571262	9.545	ppbv	99
18) 1,1-Dichloroethene	3.883	96	709116	9.451	ppbv	98
19) Isopropyl Alcohol	3.581	45	975677	10.076	ppbv #	98
20) Methylene Chloride	3.934	84	623043	7.203	ppbv	95
21) Allyl Chloride	3.996	41	1000192	10.155	ppbv	98
22) trans-1,2-Dichloroethene	4.442	96	758107	10.219	ppbv	98
23) Vinyl Acetate	4.623	43	1830506	11.014	ppbv	99
24) 1,1-Dichloroethane	4.561	63	1502272	9.659	ppbv	99
25) Ethyl Acetate	5.198	43	2774799	10.706	ppbv	99
26) Hexane	5.208	57	1307500	10.668	ppbv	91
27) Carbon Disulfide	4.124	76	1892959	11.076	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	1153653	10.941	ppbv	100
29) Chloroform	5.269	83	2027244	9.580	ppbv	100
30) Cyclohexane	6.590	84	1102619	11.947	ppbv	96
31) cis-1,2-Dichloroethene	5.073	61	1310813	11.528	ppbv	92
32) 1,1,1-Trichloroethane	5.992	97	2012917	9.305	ppbv	99
34) 2-Butanone	4.780	43	1635563	9.525	ppbv	99
35) Carbon Tetrachloride	6.481	117	2085453	8.895	ppbv	97
36) Benzene	6.359	78	2789874	11.034	ppbv	96
37) 1,2-Dichloroethane	5.799	62	1510608	8.730	ppbv #	97
38) Trichloroethene	7.278	130	1097447	11.382	ppbv	96
39) 1,2-Dichloropropane	7.060	63	1036848	10.654	ppbv	95
40) 1,4-Dioxane	7.272	88	453336	12.322	ppbv #	99
41) Tetrahydrofuran	5.545	42	1038584	11.796	ppbv	99
42) Bromodichloromethane	7.237	83	2231214	9.450	ppbv	100
43) Methyl Methacrylate	7.458	69	1134785	12.075	ppbv	95
44) 2,2,4-Trimethylpentane	7.311	57	4458876	11.076	ppbv	96
45) t-1,3-Dichloropropene	8.690	75	1013071	13.902	ppbv	95

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	1171072	13.135	ppbv	92
47) 1,1,2-Trichloroethane	8.883	97	1145796	10.259	ppbv	98
48) Dibromochloromethane	9.693	129	1942126	10.541	ppbv	100
49) Bromoform	12.387	173	1628384	10.762	ppbv	99
50) 4-Methyl-2-Pentanone	8.166	43	2573490	11.091	ppbv	96
51) 2-Hexanone	9.536	43	1861396	11.623	ppbv #	93
52) Tetrachloroethene	10.597	164	973219	11.800	ppbv	96
53) Toluene	9.204	91	3206560	12.013	ppbv	100
54) 1,2-Dibromoethane	9.989	107	1621002	11.371	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.490	131	1421262	9.068	ppbv	98
57) Chlorobenzene	11.507	112	2456365	9.865	ppbv	97
58) Ethyl Benzene	12.069	91	4224369	11.269	ppbv	98
59) m/p-Xylene	12.352	91	7138706m	20.280	ppbv	
60) o-Xylene	13.037	91	3397045	10.119	ppbv	99
61) Styrene	12.876	104	1810277	12.867	ppbv	96
62) Isopropylbenzene	14.008	105	4984347	9.834	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.027	83	2457652	9.341	ppbv	99
64) n-propylbenzene	14.892	120	1322113	10.432	ppbv	93
65) tert-Butylbenzene	16.066	119	4391647	9.653	ppbv	95
66) Benzyl Chloride	16.304	91	578662	10.899	ppbv	97
67) sec-Butylbenzene	16.616	105	6101462	9.369	ppbv	98
69) p-Isopropyltoluene	16.973	119	5056926	9.880	ppbv	98
70) n-Butylbenzene	17.863	91	5300162	9.408	ppbv	98
71) 2-Chlorotoluene	14.780	91	3828617	10.209	ppbv	97
72) 4-Ethyltoluene	15.172	105	3953210	10.501	ppbv	98
73) 1,3,5-Trimethylbenzene	15.326	105	3405108	10.045	ppbv	98
74) 1,2,4-Trimethylbenzene	16.085	105	3765923	9.113	ppbv	94
75) 1,3-Dichlorobenzene	16.307	146	2261931	9.607	ppbv	99
76) 1,4-Dichlorobenzene	16.452	146	2218888	9.578	ppbv	98
77) 1,2-Dichlorobenzene	17.117	146	2183909	9.313	ppbv	98
78) Hexachloro-1,3-Butadiene	22.606	225	1485321	8.371	ppbv	99
79) Naphthalene	21.358	128	3200850	12.447	ppbv	97
80) Naphthalene,2-methyl-	24.355	142	964582	15.315	ppbv	96
81) 1,2,4-Trichlorobenzene	21.117	180	1661827	9.893	ppbv	99

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

