

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051223\
 Data File : VL040419.D
 Acq On : 12 May 2023 15:29
 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 05/16/2023
 Supervised By : Mahesh Dadoda 05/16/2023

Quant Time: May 15 00:31:11 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M

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

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1061354	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2664337	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2659269m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 2059221 9.364 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 93.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	1875887	9.803	ppbv	98
3) Chlorodifluoromethane	2.655	51	1273868	9.185	ppbv	100
4) Chloromethane	2.793	50	812389	9.273	ppbv	96
5) Vinyl Chloride	2.903	62	705316	9.753	ppbv	99
6) Bromomethane	3.105	94	230306	9.666	ppbv	99
7) Chloroethane	3.179	64	258788	9.450	ppbv	97
8) Dichlorotetrafluoroethane	2.838	85	1736605	9.286	ppbv	98
9) Propene	2.674	41	499028	9.108	ppbv	99
10) Heptane	7.574	43	1295354	10.403	ppbv	100
11) Trichlorofluoromethane	3.549	101	1787931	9.229	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.054	101	1262343	9.317	ppbv	100
13) Ethanol	3.227	45	40958m	8.955	ppbv	
14) Bromoethene	3.350	108	549042	9.910	ppbv	97
15) Acetone	3.452	43	1293661	8.606	ppbv	99
16) 1,3-Butadiene	2.967	39	618702	9.945	ppbv	97
17) tert-Butyl alcohol	3.864	59	1335933	9.678	ppbv	100
18) 1,1-Dichloroethene	3.864	96	576054	9.427	ppbv	96
19) Isopropyl Alcohol	3.559	45	644772	9.400	ppbv	99
20) Methylene Chloride	3.919	84	493281	8.219	ppbv	98
21) Allyl Chloride	3.983	41	833690	9.760	ppbv	99
22) trans-1,2-Dichloroethene	4.433	96	582036	9.527	ppbv	98
23) Vinyl Acetate	4.613	43	387361	10.121	ppbv	98
24) 1,1-Dichloroethane	4.552	63	1198436	9.409	ppbv	99
25) Ethyl Acetate	5.195	43	2445084	9.666	ppbv	100
26) Hexane	5.202	57	1042443	9.776	ppbv	98
27) Carbon Disulfide	4.112	76	1425193	10.327	ppbv	99
28) Methyl tert-Butyl Ether	4.575	73	1062722	9.654	ppbv	100
29) Chloroform	5.263	83	1799720	9.474	ppbv	96
30) Cyclohexane	6.594	84	876562	10.613	ppbv	99
31) cis-1,2-Dichloroethene	5.070	61	1068902	10.113	ppbv	97
32) 1,1,1-Trichloroethane	5.996	97	1814502	9.831	ppbv	100
34) 2-Butanone	4.774	43	1444005	10.051	ppbv	99
35) Carbon Tetrachloride	6.484	117	1867966	9.960	ppbv	99
36) Benzene	6.365	78	2177662	10.018	ppbv	100
37) 1,2-Dichloroethane	5.800	62	1407132	9.855	ppbv	100
38) Trichloroethene	7.288	130	1329962	10.750	ppbv	98
39) 1,2-Dichloropropane	7.066	63	837379	9.790	ppbv	99
40) 1,4-Dioxane	7.285	88	314226	9.592	ppbv #	99
41) Tetrahydrofuran	5.546	42	820677	10.430	ppbv	99
42) Bromodichloromethane	7.243	83	1970541	10.106	ppbv	99
43) Methyl Methacrylate	7.472	69	889705	11.020	ppbv	99
44) 2,2,4-Trimethylpentane	7.320	57	3588340	9.883	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	872117	12.093	ppbv	94

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QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1166813	11.624	ppbv	99
47) 1,1,2-Trichloroethane	8.896	97	931607	9.934	ppbv	98
48) Dibromochloromethane	9.713	129	1622780	10.745	ppbv	99
49) Bromoform	12.410	173	1312710	11.144	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	2249088	10.325	ppbv	100
51) 2-Hexanone	9.549	43	1763297	10.954	ppbv	99
52) Tetrachloroethene	10.616	164	749739	11.026	ppbv	94
53) Toluene	9.217	91	2522088	10.944	ppbv	100
54) 1,2-Dibromoethane	10.008	107	1040689	10.946	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.510	131	1171021	9.648	ppbv	99
57) Chlorobenzene	11.526	112	1953928	9.384	ppbv	98
58) Ethyl Benzene	12.089	91	3465391	10.593	ppbv	97
59) m/p-Xylene	12.372	91	6075725m	20.197	ppbv	
60) o-Xylene	13.063	91	2930923	10.152	ppbv	99
61) Styrene	12.899	104	1679504	11.613	ppbv	100
62) Isopropylbenzene	14.031	105	4126861	9.925	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	922095	8.727	ppbv	100
64) n-propylbenzene	14.921	120	1048460	10.248	ppbv	99
65) tert-Butylbenzene	16.098	119	3611205	9.872	ppbv	99
66) Benzyl Chloride	16.336	91	256160	11.310	ppbv	100
67) sec-Butylbenzene	16.638	105	5131589	9.766	ppbv	100
69) p-Isopropyltoluene	16.999	119	4115842	10.032	ppbv	100
70) n-Butylbenzene	17.889	91	4521531	9.941	ppbv	100
71) 2-Chlorotoluene	14.806	91	3209530	10.054	ppbv	99
72) 4-Ethyltoluene	15.195	105	3391348	10.640	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	3001534	10.195	ppbv	99
74) 1,2,4-Trimethylbenzene	16.111	105	3301054	9.810	ppbv	99
75) 1,3-Dichlorobenzene	16.336	146	1811582	9.829	ppbv	100
76) 1,4-Dichlorobenzene	16.478	146	1780946	9.779	ppbv	99
77) 1,2-Dichlorobenzene	17.146	146	1729715	9.491	ppbv	100
78) Hexachloro-1,3-Butadiene	22.635	225	1307719	8.950	ppbv	100
79) Naphthalene	21.384	128	2804364	12.346	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	875357	12.946	ppbv	98
81) 1,2,4-Trichlorobenzene	21.143	180	1454849	10.422	ppbv	99

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

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