

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
 Data File : VL040542.D
 Acq On : 26 Jul 2023 14:00
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jul 27 01:50:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/27/2023
 Supervised By : Mahesh Dadoda 07/27/2023

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

Internal Standards						
1) Bromochloromethane	5.173	49	921734	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2287111	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.455	117	2327657m	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1863830	10.117	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.706	85	1467253	7.958	ppbv	99
3) Chlorodifluoromethane	2.649	51	1437937	9.842	ppbv	95
4) Chloromethane	2.787	50	565219	9.766	ppbv	97
5) Vinyl Chloride	2.896	62	625233	10.288	ppbv	99
6) Bromomethane	3.096	94	270628	10.550	ppbv	98
7) Chloroethane	3.173	64	222261	10.424	ppbv	95
8) Dichlorotetrafluoroethane	2.832	85	1607564	10.598	ppbv	100
9) Propene	2.668	41	437165	8.740	ppbv	98
10) Heptane	7.565	43	1146756	10.383	ppbv	100
11) Trichlorofluoromethane	3.539	101	1722341	11.577	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.047	101	1224191	11.684	ppbv	93
13) Ethanol	3.218	45	111965	10.289	ppbv	95
14) Bromoethene	3.343	108	507387	11.262	ppbv	99
15) Acetone	3.443	43	1137530	10.721	ppbv	97
16) 1,3-Butadiene	2.960	39	565860	10.571	ppbv	98
17) tert-Butyl alcohol	3.854	59	1278089	11.647	ppbv	100
18) 1,1-Dichloroethene	3.858	96	546419	11.344	ppbv	97
19) Isopropyl Alcohol	3.552	45	709277	11.645	ppbv #	95
20) Methylene Chloride	3.912	84	456582	10.117	ppbv	96
21) Allyl Chloride	3.973	41	619645	10.227	ppbv	94
22) trans-1,2-Dichloroethene	4.423	96	544593	11.459	ppbv	91
23) Vinyl Acetate	4.604	43	1112032	11.002	ppbv	99
24) 1,1-Dichloroethane	4.542	63	1101842	10.739	ppbv	99
25) Ethyl Acetate	5.182	43	2034465	10.072	ppbv	99
26) Hexane	5.192	57	898142	9.571	ppbv	94
27) Carbon Disulfide	4.102	76	1310591	11.873	ppbv	99
28) Methyl tert-Butyl Ether	4.565	73	777743	10.295	ppbv	100
29) Chloroform	5.256	83	1609071	10.338	ppbv	98
30) Cyclohexane	6.587	84	765184	9.800	ppbv	97
31) cis-1,2-Dichloroethene	5.060	61	943955	10.177	ppbv	96
32) 1,1,1-Trichloroethane	5.986	97	1665229	10.934	ppbv	99
34) 2-Butanone	4.764	43	1249925	11.060	ppbv	98
35) Carbon Tetrachloride	6.475	117	1709697	12.421	ppbv	96
36) Benzene	6.356	78	1900795	10.329	ppbv	98
37) 1,2-Dichloroethane	5.790	62	1242667	11.478	ppbv	97
38) Trichloroethene	7.275	130	806602	11.588	ppbv	95
39) 1,2-Dichloropropane	7.057	63	746036	10.531	ppbv	95
40) 1,4-Dioxane	7.269	88	260462	11.755	ppbv #	31
41) Tetrahydrofuran	5.536	42	682592	10.350	ppbv	99
42) Bromodichloromethane	7.234	83	1787408	11.871	ppbv	99
43) Methyl Methacrylate	7.459	69	790557	11.477	ppbv	96
44) 2,2,4-Trimethylpentane	7.311	57	3180385	10.742	ppbv	97
45) t-1,3-Dichloropropene	8.697	75	573612	12.982	ppbv	97

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	687697	12.131	ppbv	93
47) 1,1,2-Trichloroethane	8.886	97	842488	10.779	ppbv	98
48) Dibromochloromethane	9.697	129	1466321	12.134	ppbv	99
49) Bromoform	12.401	173	1230875m	12.847	ppbv	
50) 4-Methyl-2-Pentanone	8.166	43	1934740	11.783	ppbv	96
51) 2-Hexanone	9.539	43	1429921	12.315	ppbv #	96
52) Tetrachloroethene	10.603	164	682967	11.460	ppbv	94
53) Toluene	9.208	91	2250712	11.259	ppbv	100
54) 1,2-Dibromoethane	9.999	107	1135708	11.690	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.497	131	1113008	10.677	ppbv	98
57) Chlorobenzene	11.513	112	1821275	10.033	ppbv	97
58) Ethyl Benzene	12.079	91	3176032	10.873	ppbv	97
59) m/p-Xylene	12.362	91	5640283m	21.634	ppbv	
60) o-Xylene	13.050	91	2731919	11.000	ppbv	99
61) Styrene	12.886	104	1323466	11.552	ppbv	97
62) Isopropylbenzene	14.021	105	3959269	10.636	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	1897170	10.908	ppbv	100
64) n-propylbenzene	14.905	120	1047894	10.880	ppbv	93
65) tert-Butylbenzene	16.082	119	3603926	10.936	ppbv	97
66) Benzyl Chloride	16.317	91	274234	11.763	ppbv	98
67) sec-Butylbenzene	16.626	105	5234433	10.810	ppbv	99
69) p-Isopropyltoluene	16.989	119	4335104	10.834	ppbv	98
70) n-Butylbenzene	17.876	91	4902331	10.986	ppbv	99
71) 2-Chlorotoluene	14.793	91	3152553	10.989	ppbv	98
72) 4-Ethyltoluene	15.185	105	3290919	11.304	ppbv	98
73) 1,3,5-Trimethylbenzene	15.343	105	2868003	11.176	ppbv	95
74) 1,2,4-Trimethylbenzene	16.098	105	3298733	11.025	ppbv	94
75) 1,3-Dichlorobenzene	16.323	146	1931576	10.648	ppbv	99
76) 1,4-Dichlorobenzene	16.462	146	1896543	10.662	ppbv	99
77) 1,2-Dichlorobenzene	17.134	146	1862458	10.737	ppbv	99
78) Hexachloro-1,3-Butadiene	22.622	225	1587387	9.744	ppbv	99
79) Naphthalene	21.375	128	3307385	13.065	ppbv	100
80) Naphthalene,2-methyl-	24.365	142	1396450	13.378	ppbv	98
81) 1,2,4-Trichlorobenzene	21.130	180	1954289	11.202	ppbv	100

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

