

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040372.D
 Acq On : 14 Apr 2023 00:31
 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 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

Quant Time: Apr 14 08:38:56 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

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	5.189	49	1097333	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2781564	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2688592	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 2153311 9.685 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	1796883	9.082	ppbv	99
3) Chlorodifluoromethane	2.661	51	1283214	8.949	ppbv	99
4) Chloromethane	2.800	50	807349	8.913	ppbv	97
5) Vinyl Chloride	2.909	62	717551	9.597	ppbv	98
6) Bromomethane	3.108	94	220452	8.949	ppbv	98
7) Chloroethane	3.186	64	252231	8.909	ppbv	99
8) Dichlorotetrafluoroethane	2.845	85	1714063	8.865	ppbv	98
9) Propene	2.681	41	549129	9.694	ppbv	98
10) Heptane	7.584	43	1312414	10.194	ppbv	98
11) Trichlorofluoromethane	3.555	101	1694090	8.458	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.060	101	1199451	8.562	ppbv	98
13) Ethanol	3.237	45	32199	6.809	ppbv	94
14) Bromoethene	3.356	108	520460	9.086	ppbv	100
15) Acetone	3.459	43	1195320	7.691	ppbv	99
16) 1,3-Butadiene	2.973	39	623082	9.687	ppbv	99
17) tert-Butyl alcohol	3.867	59	1286991	9.017	ppbv	100
18) 1,1-Dichloroethene	3.874	96	557373	8.822	ppbv	94
19) Isopropyl Alcohol	3.565	45	591520	8.341	ppbv #	96
20) Methylene Chloride	3.925	84	488776	7.877	ppbv	97
21) Allyl Chloride	3.989	41	834499	9.449	ppbv	98
22) trans-1,2-Dichloroethene	4.440	96	552388	8.745	ppbv	93
23) Vinyl Acetate	4.620	43	382711m	9.671	ppbv	
24) 1,1-Dichloroethane	4.559	63	1158679	8.798	ppbv	100
25) Ethyl Acetate	5.202	43	2421965	9.261	ppbv	100
26) Hexane	5.208	57	1051194	9.534	ppbv	98
27) Carbon Disulfide	4.118	76	1353374	9.485	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	1054440	9.265	ppbv	99
29) Chloroform	5.272	83	1772712	9.026	ppbv	98
30) Cyclohexane	6.603	84	874219	10.238	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	1077603	9.861	ppbv	100
32) 1,1,1-Trichloroethane	6.005	97	1769134	9.271	ppbv	99
34) 2-Butanone	4.780	43	1448669	9.659	ppbv	99
35) Carbon Tetrachloride	6.494	117	1803259	9.209	ppbv	99
36) Benzene	6.372	78	2198993	9.690	ppbv	98
37) 1,2-Dichloroethane	5.806	62	1364287	9.152	ppbv	99
38) Trichloroethene	7.295	130	1321118	10.228	ppbv	94
39) 1,2-Dichloropropane	7.076	63	851352	9.534	ppbv	98
40) 1,4-Dioxane	7.292	88	293357	8.578	ppbv #	46
41) Tetrahydrofuran	5.555	42	827718	10.076	ppbv	99
42) Bromodichloromethane	7.253	83	1901567	9.341	ppbv	97
43) Methyl Methacrylate	7.478	69	875598	10.388	ppbv	99
44) 2,2,4-Trimethylpentane	7.333	57	3582070	9.450	ppbv	99
45) t-1,3-Dichloropropene	8.719	75	837580	11.124	ppbv	96

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

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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)
46) cis-1,3-Dichloropropene	8.150	75	1152231	10.995	ppbv	96
47) 1,1,2-Trichloroethane	8.906	97	913987	9.335	ppbv	98
48) Dibromochloromethane	9.719	129	1533050	9.723	ppbv	99
49) Bromoform	12.420	173	1188064	9.661	ppbv	100
50) 4-Methyl-2-Pentanone	8.185	43	2262099	9.947	ppbv	100
51) 2-Hexanone	9.558	43	1750548	10.417	ppbv	98
52) Tetrachloroethene	10.626	164	727471	10.248	ppbv	98
53) Toluene	9.227	91	2504922	10.411	ppbv	100
54) 1,2-Dibromoethane	10.018	107	995410	10.028	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.516	131	1095195	8.924	ppbv	99
57) Chlorobenzene	11.536	112	1888783	8.972	ppbv	97
58) Ethyl Benzene	12.102	91	3344324	10.112	ppbv	97
59) m/p-Xylene	12.385	91	5734611m	18.855	ppbv	
60) o-Xylene	13.069	91	2758460	9.450	ppbv	99
61) Styrene	12.912	104	1575846	10.777	ppbv	99
62) Isopropylbenzene	14.040	105	3872157	9.211	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	840310	7.866	ppbv	99
64) n-propylbenzene	14.928	120	988172	9.553	ppbv	98
65) tert-Butylbenzene	16.105	119	3406194	9.210	ppbv	99
66) Benzyl Chloride	16.346	91	214444	9.365	ppbv	99
67) sec-Butylbenzene	16.651	105	4902695	9.229	ppbv	100
69) p-Isopropyltoluene	17.008	119	3986582	9.611	ppbv	99
70) n-Butylbenzene	17.902	91	4479163	9.741	ppbv	99
71) 2-Chlorotoluene	14.815	91	2990687	9.267	ppbv	100
72) 4-Ethyltoluene	15.204	105	3168257	9.832	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	2841850	9.547	ppbv	98
74) 1,2,4-Trimethylbenzene	16.124	105	3122999	9.179	ppbv	92
75) 1,3-Dichlorobenzene	16.349	146	1725642	9.260	ppbv	99
76) 1,4-Dichlorobenzene	16.490	146	1689021	9.174	ppbv	100
77) 1,2-Dichlorobenzene	17.159	146	1700840	9.230	ppbv	100
78) Hexachloro-1,3-Butadiene	22.654	225	1403318	9.499	ppbv	100
79) Naphthalene	21.397	128	3140914	13.676	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	902054	13.195	ppbv	97
81) 1,2,4-Trichlorobenzene	21.156	180	1593721	11.293	ppbv	98

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

