

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122023\
 Data File : VL040921.D
 Acq On : 20 Dec 2023 16:35
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL122023

Quant Time: Dec 21 07:35:41 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Thu Dec 21 07:32:42 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/21/2023
 Supervised By : Mahesh Dadoda 12/21/2023

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

Internal Standards						
1) Bromochloromethane	5.185	49	1290547	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3235813	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	3198427m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.751 95 2244669 9.528 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	2227294	9.061	ppbv	98
3) Chlorodifluoromethane	2.693	51	1745539	8.988	ppbv	99
4) Chloromethane	2.832	50	647904	9.048	ppbv	97
5) Vinyl Chloride	2.938	62	679596	9.832	ppbv	100
6) Bromomethane	3.134	94	294505	9.604	ppbv	96
7) Chloroethane	3.211	64	241260	9.790	ppbv	95
8) Dichlorotetrafluoroethane	2.873	85	1648023	9.305	ppbv	99
9) Propene	2.713	41	610042	9.520	ppbv	100
10) Heptane	7.561	43	1520220	9.544	ppbv	99
11) Trichlorofluoromethane	3.571	101	1774423	9.233	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.070	101	1285259	8.612	ppbv	97
13) Ethanol	3.250	45	137468m	8.504	ppbv	
14) Bromoethene	3.375	108	528511	9.662	ppbv	98
15) Acetone	3.478	43	1241741	8.023	ppbv	100
16) 1,3-Butadiene	2.999	39	665850	9.991	ppbv	95
17) tert-Butyl alcohol	3.883	59	1064179	9.294	ppbv	98
18) 1,1-Dichloroethene	3.886	96	578074	9.381	ppbv	95
19) Isopropyl Alcohol	3.581	45	727018	9.002	ppbv	100
20) Methylene Chloride	3.938	84	455334	8.253	ppbv	97
21) Allyl Chloride	3.999	41	847857	9.267	ppbv	98
22) trans-1,2-Dichloroethene	4.446	96	612947	8.724	ppbv	98
23) Vinyl Acetate	4.626	43	1816353	10.637	ppbv	99
24) 1,1-Dichloroethane	4.565	63	1434532	9.392	ppbv	99
25) Ethyl Acetate	5.198	43	2591121	9.661	ppbv	99
26) Hexane	5.208	57	1124737	9.463	ppbv	99
27) Carbon Disulfide	4.127	76	1479300	9.196	ppbv	98
28) Methyl tert-Butyl Ether	4.584	73	1086785	9.853	ppbv	100
29) Chloroform	5.269	83	1877096	9.358	ppbv	99
30) Cyclohexane	6.590	84	961641	9.704	ppbv	99
31) cis-1,2-Dichloroethene	5.073	61	1184504	9.701	ppbv	99
32) 1,1,1-Trichloroethane	5.995	97	1865125	9.618	ppbv	99
34) 2-Butanone	4.780	43	1656744	9.679	ppbv	100
35) Carbon Tetrachloride	6.484	117	1985695	9.799	ppbv	99
36) Benzene	6.359	78	2390426	9.450	ppbv	99
37) 1,2-Dichloroethane	5.799	62	1449058	9.561	ppbv	100
38) Trichloroethene	7.275	130	939980	9.894	ppbv	98
39) 1,2-Dichloropropane	7.060	63	936850	9.425	ppbv	99
40) 1,4-Dioxane	7.269	88	371935	8.862	ppbv	98
41) Tetrahydrofuran	5.549	42	1013824	9.735	ppbv	98
42) Bromodichloromethane	7.233	83	2106107	9.635	ppbv	98
43) Methyl Methacrylate	7.455	69	998922	10.068	ppbv	99
44) 2,2,4-Trimethylpentane	7.311	57	3945848	9.183	ppbv	100
45) t-1,3-Dichloropropene	8.690	75	829218	11.265	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	966569	10.606	ppbv	97
47) 1,1,2-Trichloroethane	8.880	97	1004669	9.528	ppbv	99
48) Dibromochloromethane	9.690	129	1807591	10.043	ppbv	99
49) Bromoform	12.381	173	1437803	10.353	ppbv	100
50) 4-Methyl-2-Pentanone	8.159	43	2505116	9.663	ppbv	99
51) 2-Hexanone	9.526	43	1858472	9.960	ppbv #	99
52) Tetrachloroethene	10.593	164	815446	9.570	ppbv	98
53) Toluene	9.198	91	2727481	9.724	ppbv	100
54) 1,2-Dibromoethane	9.986	107	1455677	10.060	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.481	131	1272411	9.097	ppbv	99
57) Chlorobenzene	11.500	112	2097218	8.904	ppbv	99
58) Ethyl Benzene	12.063	91	3668267	8.929	ppbv	99
59) m/p-Xylene	12.346	91	6212773m	17.779	ppbv	
60) o-Xylene	13.034	91	2948232	8.954	ppbv	100
61) Styrene	12.870	104	1563779	9.991	ppbv	99
62) Isopropylbenzene	14.005	105	4306327	8.820	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.021	83	2166389	9.134	ppbv	99
64) n-propylbenzene	14.889	120	1128197	9.212	ppbv	99
65) tert-Butylbenzene	16.063	119	3769896	9.083	ppbv	99
66) Benzyl Chloride	16.304	91	333686	11.749	ppbv	100
67) sec-Butylbenzene	16.609	105	5300047	8.787	ppbv	100
69) p-Isopropyltoluene	16.969	119	4313178	9.200	ppbv	99
70) n-Butylbenzene	17.863	91	4549064	9.347	ppbv	100
71) 2-Chlorotoluene	14.773	91	3380458	8.990	ppbv	100
72) 4-Ethyltoluene	15.166	105	3397923	9.403	ppbv	99
73) 1,3,5-Trimethylbenzene	15.326	105	2952992	9.468	ppbv	97
74) 1,2,4-Trimethylbenzene	16.079	105	3217745	9.270	ppbv	94
75) 1,3-Dichlorobenzene	16.304	146	1863053	9.397	ppbv	98
76) 1,4-Dichlorobenzene	16.445	146	1823244	9.400	ppbv	99
77) 1,2-Dichlorobenzene	17.114	146	1770836	9.271	ppbv	99
78) Hexachloro-1,3-Butadiene	22.603	225	962957	8.197	ppbv	100
79) Naphthalene	21.355	128	2158937m	12.909	ppbv	
80) Naphthalene,2-methyl-	24.355	142	460935	15.079	ppbv	95
81) 1,2,4-Trichlorobenzene	21.114	180	1086434	11.315	ppbv	100

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

