

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052124\
 Data File : VL041259.D
 Acq On : 21 May 2024 10:47
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 22 05:41:33 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

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

QLast Update : Wed May 22 05:39:49 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/22/2024
 Supervised By : Mahesh Dadoda 05/22/2024

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

Internal Standards						
1) Bromochloromethane	5.201	49	898860	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2346389	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2296193	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 1788904 10.320 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	1172823	9.646	ppbv	98
3) Chlorodifluoromethane	2.694	51	1510117	11.062	ppbv	99
4) Chloromethane	2.832	50	589052	10.996	ppbv	97
5) Vinyl Chloride	2.938	62	583674	10.846	ppbv	99
6) Bromomethane	3.134	94	213562	10.877	ppbv	98
7) Chloroethane	3.211	64	203895	10.731	ppbv	96
8) Dichlorotetrafluoroethane	2.874	85	1403647	11.154	ppbv	99
9) Propene	2.713	41	561020	10.501	ppbv	98
10) Heptane	7.584	43	1341154	10.361	ppbv	98
11) Trichlorofluoromethane	3.575	101	1428287	11.559	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.076	101	1053562	11.530	ppbv	97
13) Ethanol	3.253	45	142814m	11.925	ppbv	
14) Bromoethene	3.382	108	419339	11.120	ppbv	100
15) Acetone	3.481	43	1106476	10.430	ppbv	98
16) 1,3-Butadiene	3.002	39	595898	11.128	ppbv	99
17) tert-Butyl alcohol	3.886	59	1125479	9.835	ppbv	99
18) 1,1-Dichloroethene	3.890	96	454697	11.160	ppbv	99
19) Isopropyl Alcohol	3.587	45	800013	11.493	ppbv #	43
20) Methylene Chloride	3.944	84	419630	11.375	ppbv	96
21) Allyl Chloride	4.009	41	743482	10.749	ppbv	96
22) trans-1,2-Dichloroethene	4.452	96	488444	11.528	ppbv	97
23) Vinyl Acetate	4.636	43	1295019	11.086	ppbv	100
24) 1,1-Dichloroethane	4.574	63	1032902	11.372	ppbv	99
25) Ethyl Acetate	5.211	43	2253497	10.643	ppbv	100
26) Hexane	5.221	57	989044	10.467	ppbv	99
27) Carbon Disulfide	4.134	76	1253560	11.207	ppbv	97
28) Methyl tert-Butyl Ether	4.594	73	780538	10.374	ppbv	100
29) Chloroform	5.282	83	1498782	11.498	ppbv	99
30) Cyclohexane	6.607	84	828217	11.073	ppbv	98
31) cis-1,2-Dichloroethene	5.086	61	989541	11.186	ppbv	97
32) 1,1,1-Trichloroethane	6.005	97	1515817	11.654	ppbv	99
34) 2-Butanone	4.793	43	1202997	10.073	ppbv	97
35) Carbon Tetrachloride	6.497	117	1546450	11.744	ppbv	99
36) Benzene	6.375	78	2077600	10.551	ppbv	99
37) 1,2-Dichloroethane	5.812	62	1209611	11.774	ppbv	99
38) Trichloroethene	7.291	130	774038	10.549	ppbv	96
39) 1,2-Dichloropropane	7.076	63	802945	10.581	ppbv	99
40) 1,4-Dioxane	7.288	88	316712	11.682	ppbv #	1
41) Tetrahydrofuran	5.558	42	858940	9.935	ppbv	97
42) Bromodichloromethane	7.253	83	1714644	11.637	ppbv	98
43) Methyl Methacrylate	7.478	69	839937	10.547	ppbv	98
44) 2,2,4-Trimethylpentane	7.327	57	3472268	10.227	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	685352	11.876	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	815992	11.549	ppbv	96
47) 1,1,2-Trichloroethane	8.899	97	844913	11.124	ppbv	99
48) Dibromochloromethane	9.709	129	1443378	11.927	ppbv	99
49) Bromoform	12.404	173	1216353	11.815	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	2196819	10.250	ppbv	100
51) 2-Hexanone	9.549	43	1602549	10.080	ppbv #	99
52) Tetrachloroethene	10.616	164	734338	10.611	ppbv	98
53) Toluene	9.221	91	2420432	10.601	ppbv	99
54) 1,2-Dibromoethane	10.005	107	1204910	11.712	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.503	131	1049605	11.273	ppbv	100
57) Chlorobenzene	11.526	112	1811186	10.770	ppbv	97
58) Ethyl Benzene	12.085	91	3246161	10.310	ppbv	99
59) m/p-Xylene	12.365	91	5486680m	20.734	ppbv	
60) o-Xylene	13.056	91	2607171	10.511	ppbv	100
61) Styrene	12.892	104	1409983	10.760	ppbv	99
62) Isopropylbenzene	14.027	105	3855680	10.392	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.044	83	1810145	10.706	ppbv	99
64) n-propylbenzene	14.912	120	1015406	10.970	ppbv	98
65) tert-Butylbenzene	16.089	119	3362836	10.120	ppbv	99
66) Benzyl Chloride	16.320	91	314362m	8.357	ppbv	
67) sec-Butylbenzene	16.629	105	4819765	10.303	ppbv	99
69) p-Isopropyltoluene	16.989	119	3993159	10.358	ppbv	99
70) n-Butylbenzene	17.883	91	4193946	10.417	ppbv	100
71) 2-Chlorotoluene	14.796	91	2985702	10.569	ppbv	99
72) 4-Ethyltoluene	15.188	105	3053369	10.868	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	2702099	10.629	ppbv	99
74) 1,2,4-Trimethylbenzene	16.105	105	2936870	10.578	ppbv	97
75) 1,3-Dichlorobenzene	16.326	146	1750826	10.998	ppbv	100
76) 1,4-Dichlorobenzene	16.468	146	1723278	11.256	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	1717108	10.790	ppbv	98
78) Hexachloro-1,3-Butadiene	22.628	225	1204036	8.513	ppbv	99
79) Naphthalene	21.378	128	2979251	11.269	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	1003017	9.430	ppbv	96
81) 1,2,4-Trichlorobenzene	21.133	180	1416946	10.150	ppbv	99

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

