

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041674.D
 Acq On : 7 Nov 2024 10:15
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Quant Time: Nov 08 00:09:03 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 08 00:07:44 2024

Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

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

Internal Standards						
1) Bromochloromethane	5.188	49	1170802	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	3260349	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	3326206m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.773	95	2380541	9.677	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	2208753	10.438	ppbv	100
3) Chlorodifluoromethane	2.671	51	1393427	9.135	ppbv	100
4) Chloromethane	2.809	50	760160	9.408	ppbv	100
5) Vinyl Chloride	2.915	62	732442	10.005	ppbv	100
6) Bromomethane	3.115	94	371242	9.628	ppbv	100
7) Chloroethane	3.192	64	260602	9.824	ppbv	100
8) Dichlorotetrafluoroethane	2.851	85	1728631	9.151	ppbv	100
9) Propene	2.690	41	619994	9.327	ppbv	100
10) Heptane	7.577	43	1534950	10.305	ppbv	100
11) Trichlorofluoromethane	3.555	101	1732857	9.401	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.060	101	1257722	9.388	ppbv	100
13) Ethanol	3.246	45	33738m	8.160	ppbv	
14) Bromoethene	3.362	108	504428	9.366	ppbv	100
15) Acetone	3.462	43	1285781	8.923	ppbv	100
16) 1,3-Butadiene	2.980	39	734062	10.160	ppbv	100
17) tert-Butyl alcohol	3.873	59	1215299	9.611	ppbv	100
18) 1,1-Dichloroethene	3.873	96	557278	9.484	ppbv	100
19) Isopropyl Alcohol	3.571	45	646252	9.266	ppbv	100
20) Methylene Chloride	3.928	84	468549	8.837	ppbv	100
21) Allyl Chloride	3.992	41	888517	9.979	ppbv	100
22) trans-1,2-Dichloroethene	4.442	96	566347	9.660	ppbv	100
23) Vinyl Acetate	4.623	43	602236	8.886	ppbv	100
24) 1,1-Dichloroethane	4.558	63	1223224	9.380	ppbv	100
25) Ethyl Acetate	5.201	43	2883606	9.668	ppbv	100
26) Hexane	5.208	57	1130877	9.869	ppbv	100
27) Carbon Disulfide	4.118	76	1374259	10.675	ppbv	100
28) Methyl tert-Butyl Ether	4.581	73	670928	9.092	ppbv	100
29) Chloroform	5.269	83	1779347	9.407	ppbv	100
30) Cyclohexane	6.597	84	965390	10.487	ppbv	100
31) cis-1,2-Dichloroethene	5.076	61	1095423	9.937	ppbv	100
32) 1,1,1-Trichloroethane	5.999	97	1742198	10.047	ppbv	100
34) 2-Butanone	4.780	43	1559421	9.606	ppbv	100
35) Carbon Tetrachloride	6.491	117	1838964	10.670	ppbv	100
36) Benzene	6.365	78	2404772	9.955	ppbv	100
37) 1,2-Dichloroethane	5.803	62	1331275	9.768	ppbv	100
38) Trichloroethene	7.288	130	986911	10.594	ppbv	100
39) 1,2-Dichloropropane	7.073	63	927055	9.711	ppbv	100
40) 1,4-Dioxane	7.282	88	361524	10.691	ppbv	100
41) Tetrahydrofuran	5.552	42	961227	10.379	ppbv	100
42) Bromodichloromethane	7.246	83	1922752	10.153	ppbv	100
43) Methyl Methacrylate	7.471	69	939057	11.071	ppbv	100
44) 2,2,4-Trimethylpentane	7.323	57	4079001	9.968	ppbv	100
45) t-1,3-Dichloropropene	8.706	75	920537	12.141	ppbv	100

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46) cis-1,3-Dichloropropene	8.140	75	1257121	11.408	ppbv	100
47) 1,1,2-Trichloroethane	8.896	97	1003150	9.746	ppbv	100
48) Dibromochloromethane	9.709	129	1679053	10.690	ppbv	100
49) Bromoform	12.404	173	1497222	11.174	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	2628657	10.544	ppbv	100
51) 2-Hexanone	9.548	43	2043690	11.281	ppbv	100
52) Tetrachloroethene	10.616	164	899580	10.893	ppbv	100
53) Toluene	9.217	91	2787590	10.973	ppbv	100
54) 1,2-Dibromoethane	10.008	107	1353490	11.262	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.507	131	1266326	9.142	ppbv	100
57) Chlorobenzene	11.526	112	2237328	9.024	ppbv	100
58) Ethyl Benzene	12.085	91	3795372	10.301	ppbv	100
59) m/p-Xylene	12.368	91	6483858m	19.671	ppbv	
60) o-Xylene	13.056	91	3148609	10.005	ppbv	100
61) Styrene	12.896	104	1515741	11.670	ppbv	100
62) Isopropylbenzene	14.027	105	4647017	9.566	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.043	83	2194609	9.578	ppbv	100
64) n-propylbenzene	14.912	120	1256955	9.895	ppbv	100
65) tert-Butylbenzene	16.088	119	4162243	9.533	ppbv	100
66) Benzyl Chloride	16.326	91	359794	11.442	ppbv	100
67) sec-Butylbenzene	16.635	105	5857608	9.519	ppbv	100
69) p-Isopropyltoluene	16.992	119	4920309	9.887	ppbv	100
70) n-Butylbenzene	17.882	91	5021145	9.843	ppbv	100
71) 2-Chlorotoluene	14.796	91	3508288	9.986	ppbv	100
72) 4-Ethyltoluene	15.191	105	3763123	10.297	ppbv	100
73) 1,3,5-Trimethylbenzene	15.349	105	3217635	10.042	ppbv	100
74) 1,2,4-Trimethylbenzene	16.104	105	3563067	9.559	ppbv	100
75) 1,3-Dichlorobenzene	16.326	146	2192903	9.524	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	2144446	9.479	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	2138612	9.353	ppbv	100
78) Hexachloro-1,3-Butadiene	22.631	225	1422723m	7.865	ppbv	
79) Naphthalene	21.384	128	2767333	12.072	ppbv	100
80) Naphthalene,2-methyl-	24.374	142	466005	10.957	ppbv	100
81) 1,2,4-Trichlorobenzene	21.136	180	1415249	9.925	ppbv	100

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

