

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036131.D
 Acq On : 10 Dec 2020 13:53
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 4:51:15 PM

Quant Time: Dec 11 03:38:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1314040	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2744638	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	2707518m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2242443	10.43	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1081937	7.065 ppbv	95
3) Chlorodifluoromethane	2.98	51	1546308	10.314 ppbv	99
4) Chloromethane	3.13	50	727128	9.879 ppbv	99
5) Vinyl Chloride	3.25	62	745769	9.107 ppbv	99
6) Bromomethane	3.46	94	403416	9.548 ppbv	94
7) Chloroethane	3.55	64	258801	9.278 ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	1604215	9.426 ppbv	91
9) Propene	3.00	41	701645	9.342 ppbv	99
10) Heptane	8.12	43	1835862	9.571 ppbv	99
11) Trichlorofluoromethane	3.94	101	1799922	9.997 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1118883	9.151 ppbv	95
13) Ethanol	3.60	45	103222m	9.970 ppbv	
14) Bromoethene	3.73	108	477113	9.511 ppbv	96
15) Acetone	3.84	43	1398552	8.856 ppbv	95
16) 1,3-Butadiene	3.32	39	771557	9.700 ppbv	98
17) tert-Butyl alcohol	4.28	59	1187155	7.761 ppbv	99
18) 1,1-Dichloroethene	4.28	96	502257	9.252 ppbv	96
19) Isopropyl Alcohol	3.96	45	793404	8.220 ppbv #	100
20) Methylene Chloride	4.33	84	457342	7.067 ppbv	95
21) Allyl Chloride	4.40	41	934881	8.903 ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	485272	8.928 ppbv	93
23) Vinyl Acetate	5.07	43	1989146	9.460 ppbv	98
24) 1,1-Dichloroethane	5.00	63	1362415	9.213 ppbv	97
25) Ethyl Acetate	5.67	43	3003007	9.518 ppbv	100
26) Hexane	5.68	57	1253106	8.825 ppbv	97
27) Carbon Disulfide	4.54	76	1291074	9.149 ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1787131	8.853 ppbv	100
29) Chloroform	5.74	83	1883121	10.099 ppbv	98
30) Cyclohexane	7.12	84	983583	9.430 ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1300813	10.078 ppbv	93
32) 1,1,1-Trichloroethane	6.51	97	1879688	9.769 ppbv	98
34) 2-Butanone	5.24	43	1859343	10.213 ppbv	100
35) Carbon Tetrachloride	7.01	117	1778781	11.114 ppbv	97
36) Benzene	6.89	78	2506209	10.775 ppbv	97
37) 1,2-Dichloroethane	6.30	62	1591615	11.809 ppbv	99
38) Trichloroethene	7.83	130	777359	8.940 ppbv	90
39) 1,2-Dichloropropane	7.61	63	1001755	10.905 ppbv	94
40) 1,4-Dioxane	7.83	88	292560m	10.126 ppbv	
41) Tetrahydrofuran	6.04	42	1152908	10.660 ppbv	99
42) Bromodichloromethane	7.79	83	2063672	11.490 ppbv	97
43) Methyl Methacrylate	8.01	69	1116178	11.186 ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4496833	10.675	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1167668	11.390	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1425678	11.095	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	941047	10.649	ppbv	96
48) Dibromochloromethane	10.30	129	1452233	10.882	ppbv	100
49) Bromoform	13.04	173	1123405	10.695	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2975822	10.960	ppbv	99
51) 2-Hexanone	10.13	43	2371781	11.175	ppbv #	97
52) Tetrachloroethene	11.22	164	731704	8.690	ppbv	93
53) Toluene	9.80	91	2739315	10.488	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1385516	10.459	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.12	131	1085929	9.673	ppbv	96
57) Chlorobenzene	12.15	112	1792742	9.432	ppbv	96
58) Ethyl Benzene	12.71	91	3729934	10.052	ppbv	99
59) m/p-Xylene	12.99	91	6256813m	20.021	ppbv	
60) o-Xylene	13.69	91	2905914	9.869	ppbv	96
61) Styrene	13.53	104	1889622	9.996	ppbv	96
62) Isopropylbenzene	14.67	105	4145502	9.498	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.68	83	1928297	9.724	ppbv	99
64) n-propylbenzene	15.56	120	998150	9.506	ppbv	87
65) tert-Butylbenzene	16.74	119	3247095m	9.089	ppbv	
66) Benzyl Chloride	16.99	91	784250	8.816	ppbv	96
67) sec-Butylbenzene	17.29	105	4713796	9.428	ppbv	97
69) p-Isopropyltoluene	17.65	119	3662723	9.210	ppbv	97
70) n-Butylbenzene	18.55	91	3971527	10.104	ppbv	99
71) 2-Chlorotoluene	15.45	91	3296983	9.993	ppbv	95
72) 4-Ethyltoluene	15.84	105	3159090	9.904	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	2923331	9.597	ppbv	95
74) 1,2,4-Trimethylbenzene	16.77	105	2891989	9.458	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	1399868	9.146	ppbv	97
76) 1,4-Dichlorobenzene	17.14	146	1354376	8.691	ppbv	95
77) 1,2-Dichlorobenzene	17.82	146	1293358	8.850	ppbv	97
78) Hexachloro-1,3-Butadiene	23.38	225	960527	8.200	ppbv	99
79) Naphthalene	22.20	128	1717038	11.047	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	711265	20.464	ppbv	98
81) 1,2,4-Trichlorobenzene	21.93	180	983056	9.466	ppbv #	100

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

