

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020620\
 Data File : VL034617.D
 Acq On : 7 Feb 2020 11:41
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Feb 08 03:02:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	1009686	10.00	ppbv	0.07
33) 1,4-Difluorobenzene	7.26	114	2056430	10.00	ppbv	0.08
55) Chlorobenzene-d5	12.21	117	2161005	10.00	ppbv	0.09

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	1844030	10.10	ppbv	0.09
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	1396999	6.282	ppbv 93
3) Chlorodifluoromethane	3.00	51	1190420	9.757	ppbv 99
4) Chloromethane	3.15	50	630181	8.442	ppbv 99
5) Vinyl Chloride	3.27	62	626064	8.780	ppbv 97
6) Bromomethane	3.49	94	381667	10.291	ppbv 93
7) Chloroethane	3.58	64	241269	9.099	ppbv 100
8) Dichlorotetrafluoroethane	3.20	85	1620011	9.320	ppbv 99
9) Propene	3.02	41	399929	8.419	ppbv 100
10) Heptane	8.21	43	1150365	9.623	ppbv 98
11) Trichlorofluoromethane	3.98	101	1968908	9.746	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1297334	9.842	ppbv 100
13) Ethanol	3.63	45	164715	12.945	ppbv 98
14) Bromoethene	3.76	108	504748	9.762	ppbv 98
15) Acetone	3.88	43	1497207	10.089	ppbv 99
16) 1,3-Butadiene	3.34	39	576731	9.787	ppbv 100
17) tert-Butyl alcohol	4.33	59	1343990	12.315	ppbv 99
18) 1,1-Dichloroethene	4.33	96	556105	9.994	ppbv 92
19) Isopropyl Alcohol	4.00	45	1037197	11.977	ppbv 100
20) Methylene Chloride	4.38	84	494811	8.757	ppbv 99
21) Allyl Chloride	4.45	41	904631	9.816	ppbv 100
22) trans-1,2-Dichloroethene	4.94	96	563371	9.668	ppbv 95
23) Vinyl Acetate	5.13	43	1728313	10.208	ppbv 99
24) 1,1-Dichloroethane	5.06	63	1305087	9.233	ppbv 99
25) Ethyl Acetate	5.74	43	2099335	8.739	ppbv 99
26) Hexane	5.75	57	936388	9.306	ppbv 96
27) Carbon Disulfide	4.59	76	1399413	10.307	ppbv 100
28) Methyl tert-Butyl Ether	5.08	73	1654837	9.643	ppbv 100
29) Chloroform	5.82	83	1648931	9.267	ppbv 98
30) Cyclohexane	7.21	84	752180	10.087	ppbv 96
31) cis-1,2-Dichloroethene	5.61	61	989334	9.463	ppbv 98
32) 1,1,1-Trichloroethane	6.59	97	1742583	9.121	ppbv 99
34) 2-Butanone	5.30	43	1357957	9.095	ppbv 100
35) Carbon Tetrachloride	7.10	117	1895217	9.640	ppbv 98
36) Benzene	6.98	78	1741107	9.521	ppbv 98
37) 1,2-Dichloroethane	6.38	62	1448589	9.494	ppbv 99
38) Trichloroethene	7.93	130	756237	9.810	ppbv 96
39) 1,2-Dichloropropane	7.71	63	703785	9.283	ppbv 99
40) 1,4-Dioxane	7.93	88	302265m	10.372	ppbv
41) Tetrahydrofuran	6.12	42	715815	9.190	ppbv 98
42) Bromodichloromethane	7.89	83	1842011	9.809	ppbv 97
43) Methyl Methacrylate	8.11	69	740600	10.069	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.96	57	3151136	9.497	ppbv	99
45) t-1,3-Dichloropropene	9.38	75	1009875	10.485	ppbv	96
46) cis-1,3-Dichloropropene	8.80	75	1113020	10.167	ppbv	98
47) 1,1,2-Trichloroethane	9.58	97	789756	9.618	ppbv	93
48) Dibromochloromethane	10.42	129	1536646	10.213	ppbv	100
49) Bromoform	13.17	173	1378743	10.437	ppbv	99
50) 4-Methyl-2-Pentanone	8.84	43	2045500	9.606	ppbv	100
51) 2-Hexanone	10.24	43	1700093	10.142	ppbv #	98
52) Tetrachloroethene	11.34	164	687019	9.352	ppbv	95
53) Toluene	9.92	91	2067500	10.291	ppbv	100
54) 1,2-Dibromoethane	10.73	107	1261864	10.255	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.24	131	1060463	9.940	ppbv	98
57) Chlorobenzene	12.27	112	1675249	9.421	ppbv	98
58) Ethyl Benzene	12.83	91	2906643	10.052	ppbv	97
59) m/p-Xylene	13.12	91	4911558m	19.214	ppbv	
60) o-Xylene	13.82	91	2577046	10.038	ppbv	99
61) Styrene	13.65	104	1753898	10.246	ppbv	99
62) Isopropylbenzene	14.80	105	3306357	9.939	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.80	83	1848291	9.309	ppbv	100
64) n-propylbenzene	15.69	120	885891	10.351	ppbv	97
65) tert-Butylbenzene	16.88	119	3126917	10.375	ppbv	99
66) Benzyl Chloride	17.12	91	1462867	11.575	ppbv	100
67) sec-Butylbenzene	17.43	105	4272257	10.314	ppbv	99
69) p-Isopropyltoluene	17.79	119	3575833	10.632	ppbv	100
70) n-Butylbenzene	18.68	91	3731714	10.453	ppbv	100
71) 2-Chlorotoluene	15.58	91	2599123	10.293	ppbv	100
72) 4-Ethyltoluene	15.97	105	2893877	10.262	ppbv	99
73) 1,3,5-Trimethylbenzene	16.13	105	2810876	10.201	ppbv	97
74) 1,2,4-Trimethylbenzene	16.90	105	3012330	9.875	ppbv	94
75) 1,3-Dichlorobenzene	17.13	146	1662797	9.467	ppbv	99
76) 1,4-Dichlorobenzene	17.27	146	1634557	9.442	ppbv	99
77) 1,2-Dichlorobenzene	17.96	146	1620379	9.603	ppbv	99
78) Hexachloro-1,3-Butadiene	23.51	225	1383231	8.573	ppbv	99
79) Naphthalene	22.37	128	2389663	9.951	ppbv	99
80) Naphthalene, 2-methyl-	25.09	142	629569	6.814	ppbv	99
81) 1,2,4-Trichlorobenzene	22.10	180	1376763	9.299	ppbv	99

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

