

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052919\
 Data File : VL033872.D
 Acq On : 30 May 2019 16:00
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 5/31/2019 2:51:10 PM

Quant Time: May 31 08:20:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	740031	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1673647	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1790907m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1437007	9.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.07	85	1314937	8.431	ppbv 97
3) Chlorodifluoromethane	3.01	51	1010914	11.926	ppbv 98
4) Chloromethane	3.16	50	583944	12.044	ppbv 99
5) Vinyl Chloride	3.29	62	584695	11.839	ppbv 99
6) Bromomethane	3.51	94	370755	12.303	ppbv 99
7) Chloroethane	3.60	64	219597	12.511	ppbv 93
8) Dichlorotetrafluoroethane	3.22	85	1543324	12.274	ppbv 99
9) Propene	3.03	41	429977	11.926	ppbv 98
10) Heptane	8.24	43	1103921	10.812	ppbv 100
11) Trichlorofluoromethane	4.00	101	1821451	12.237	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1237214	11.903	ppbv 99
13) Ethanol	3.64	45	99867	8.570	ppbv 100
14) Bromoethene	3.78	108	487644	12.761	ppbv 99
15) Acetone	3.89	43	1129878	11.004	ppbv 99
16) 1,3-Butadiene	3.36	39	522848	12.787	ppbv 100
17) tert-Butyl alcohol	4.35	59	1102191	13.275	ppbv 99
18) 1,1-Dichloroethene	4.34	96	539131	12.289	ppbv 99
19) Isopropyl Alcohol	4.02	45	825657	12.472	ppbv 100
20) Methylene Chloride	4.40	84	458191	11.590	ppbv 98
21) Allyl Chloride	4.47	41	775756	12.113	ppbv 100
22) trans-1,2-Dichloroethene	4.96	96	551095	12.255	ppbv 93
23) Vinyl Acetate	5.15	43	1601582	11.830	ppbv 99
24) 1,1-Dichloroethane	5.09	63	1157707	11.250	ppbv 99
25) Ethyl Acetate	5.76	43	2000973	11.094	ppbv 100
26) Hexane	5.77	57	871661	11.241	ppbv 97
27) Carbon Disulfide	4.62	76	1355345	12.741	ppbv 100
28) Methyl tert-Butyl Ether	5.11	73	1514869	11.984	ppbv 100
29) Chloroform	5.84	83	1524259	10.672	ppbv 99
30) Cyclohexane	7.24	84	710616	10.901	ppbv 98
31) cis-1,2-Dichloroethene	5.63	61	890627	11.584	ppbv 96
32) 1,1,1-Trichloroethane	6.61	97	1606828	11.267	ppbv 99
34) 2-Butanone	5.32	43	1267031	12.213	ppbv 99
35) Carbon Tetrachloride	7.13	117	1711829	12.768	ppbv 99
36) Benzene	7.00	78	1743225	11.450	ppbv 99
37) 1,2-Dichloroethane	6.41	62	1190358	12.121	ppbv 99
38) Trichloroethene	7.96	130	739637	13.093	ppbv 99
39) 1,2-Dichloropropane	7.73	63	657269	11.580	ppbv 98
40) 1,4-Dioxane	7.95	88	280248	11.803	ppbv # 99
41) Tetrahydrofuran	6.14	42	684913	11.783	ppbv 99
42) Bromodichloromethane	7.91	83	1651209	12.281	ppbv 99
43) Methyl Methacrylate	8.13	69	708084	12.638	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.98	57	3025363	11.758	ppbv	98
45) t-1,3-Dichloropropene	9.41	75	971226	13.673	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	1093449	13.147	ppbv	99
47) 1,1,2-Trichloroethane	9.61	97	752588	11.671	ppbv	98
48) Dibromochloromethane	10.44	129	1435380	12.847	ppbv	100
49) Bromoform	13.20	173	1283661	13.655	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	1938515	12.149	ppbv	99
51) 2-Hexanone	10.26	43	1592839	12.790	ppbv #	98
52) Tetrachloroethene	11.36	164	682838	12.759	ppbv	99
53) Toluene	9.94	91	2079144	12.662	ppbv	100
54) 1,2-Dibromoethane	10.75	107	1189822	12.091	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.27	131	973401	11.746	ppbv	97
57) Chlorobenzene	12.29	112	1662151	11.275	ppbv	99
58) Ethyl Benzene	12.86	91	2910684	12.273	ppbv	100
59) m/p-Xylene	13.14	91	4956661m	23.909	ppbv	
60) o-Xylene	13.84	91	2518417	12.050	ppbv	100
61) Styrene	13.68	104	1813458	12.888	ppbv	99
62) Isopropylbenzene	14.82	105	3340702	11.870	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1768751	11.638	ppbv	99
64) n-propylbenzene	15.71	120	889081	12.213	ppbv	99
65) tert-Butylbenzene	16.90	119	3181397	12.381	ppbv	98
66) Benzyl Chloride	17.15	91	1634817	13.358	ppbv	100
67) sec-Butylbenzene	17.45	105	4402463	12.241	ppbv	99
69) p-Isopropyltoluene	17.81	119	3695295	12.431	ppbv	99
70) n-Butylbenzene	18.71	91	3844030	12.058	ppbv	100
71) 2-Chlorotoluene	15.61	91	2563001	12.274	ppbv	100
72) 4-Ethyltoluene	15.99	105	3015392	12.619	ppbv	99
73) 1,3,5-Trimethylbenzene	16.15	105	2893544	12.411	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	3063674	12.075	ppbv	98
75) 1,3-Dichlorobenzene	17.16	146	1770576	11.388	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	1739320	11.770	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	1680027	11.499	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1185305	10.731	ppbv	99
79) Naphthalene	22.40	128	2184917	9.271	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	821861	9.178	ppbv	99
81) 1,2,4-Trichlorobenzene	22.12	180	1295808	9.390	ppbv	98

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

