

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050719\
 Data File : VL033683.D
 Acq On : 7 May 2019 15:34
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 08 03:41:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	954766	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2236675	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2443910	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1910169	9.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1608962	7.185	ppbv	99
3) Chlorodifluoromethane	3.01	51	1105580	8.018	ppbv	99
4) Chloromethane	3.17	50	604047	8.426	ppbv	100
5) Vinyl Chloride	3.29	62	605721	8.691	ppbv	97
6) Bromomethane	3.51	94	393273	8.883	ppbv	97
7) Chloroethane	3.60	64	225505	8.913	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1566629	8.499	ppbv	100
9) Propene	3.03	41	459319	8.738	ppbv	100
10) Heptane	8.25	43	1271036	9.798	ppbv	99
11) Trichlorofluoromethane	4.00	101	1871171	8.949	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1252600	8.910	ppbv	100
13) Ethanol	3.64	45	122463	7.762	ppbv	100
14) Bromoethene	3.78	108	501458	9.050	ppbv	99
15) Acetone	3.90	43	1192329	8.394	ppbv	99
16) 1,3-Butadiene	3.36	39	551594	9.055	ppbv	99
17) tert-Butyl alcohol	4.35	59	1046692	9.702	ppbv	100
18) 1,1-Dichloroethene	4.35	96	555778	9.158	ppbv	97
19) Isopropyl Alcohol	4.02	45	788316	9.034	ppbv	99
20) Methylene Chloride	4.41	84	475517	8.817	ppbv	97
21) Allyl Chloride	4.47	41	825772	9.605	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	564920	9.272	ppbv	99
23) Vinyl Acetate	5.15	43	1814684	9.832	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1248149	8.940	ppbv	100
25) Ethyl Acetate	5.77	43	2227416	9.639	ppbv	100
26) Hexane	5.78	57	961233	9.677	ppbv	97
27) Carbon Disulfide	4.62	76	1387600	10.213	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1569329	9.380	ppbv	100
29) Chloroform	5.85	83	1675642	9.382	ppbv	98
30) Cyclohexane	7.25	84	819986	9.830	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	991348	10.032	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	1690972	9.169	ppbv	99
34) 2-Butanone	5.33	43	1441224	10.063	ppbv	100
35) Carbon Tetrachloride	7.13	117	1859103	10.113	ppbv	100
36) Benzene	7.00	78	1979507	9.870	ppbv	100
37) 1,2-Dichloroethane	6.41	62	1291267	9.227	ppbv	99
38) Trichloroethene	7.96	130	808274	10.986	ppbv	98
39) 1,2-Dichloropropane	7.73	63	740101	9.901	ppbv	98
40) 1,4-Dioxane	7.95	88	287517	9.624	ppbv	93
41) Tetrahydrofuran	6.14	42	793822	10.725	ppbv	100
42) Bromodichloromethane	7.92	83	1815596	10.049	ppbv	99
43) Methyl Methacrylate	8.13	69	811509	10.757	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3392123	9.892	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1131749	12.223	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	1259297	10.897	ppbv	97
47) 1,1,2-Trichloroethane	9.61	97	856163	9.974	ppbv	99
48) Dibromochloromethane	10.45	129	1596626	10.972	ppbv	99
49) Bromoform	13.20	173	1432132	11.330	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2207658	10.179	ppbv	99
51) 2-Hexanone	10.27	43	1852609	11.026	ppbv #	100
52) Tetrachloroethene	11.37	164	781798	11.003	ppbv	95
53) Toluene	9.94	91	2389992	11.029	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1366072	10.565	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	1078823	9.570	ppbv	97
57) Chlorobenzene	12.30	112	1879247	9.365	ppbv	99
58) Ethyl Benzene	12.86	91	3322074	10.424	ppbv	100
59) m/p-Xylene	13.15	91	5613547m	19.997	ppbv	
60) o-Xylene	13.85	91	2821548	9.932	ppbv	99
61) Styrene	13.69	104	2118810	11.201	ppbv	99
62) Isopropylbenzene	14.83	105	3831602	9.878	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1963046	9.495	ppbv	100
64) n-propylbenzene	15.72	120	998023	9.956	ppbv	100
65) tert-Butylbenzene	16.91	119	3530405	9.922	ppbv	100
66) Benzyl Chloride	17.15	91	2022612	12.495	ppbv	100
67) sec-Butylbenzene	17.45	105	4922714	9.916	ppbv	100
69) p-Isopropyltoluene	17.82	119	4113118	10.055	ppbv	100
70) n-Butylbenzene	18.71	91	4269747	9.843	ppbv	100
71) 2-Chlorotoluene	15.61	91	2922907	10.199	ppbv	100
72) 4-Ethyltoluene	16.00	105	3330948	9.975	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3192388	9.888	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	3369423	9.388	ppbv	98
75) 1,3-Dichlorobenzene	17.16	146	1982208	9.144	ppbv	100
76) 1,4-Dichlorobenzene	17.31	146	1970103	9.577	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1874895	9.336	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1405460	8.831	ppbv	100
79) Naphthalene	22.41	128	2887903	8.814	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1083705	8.748	ppbv	99
81) 1,2,4-Trichlorobenzene	22.13	180	1596268	8.385	ppbv	100

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

