

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041619\
 Data File : VL033597.D
 Acq On : 16 Apr 2019 18:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Apr 17 08:32:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	835980	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2005437	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2238537m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1674636	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	3.08	85	879044	7.210	ppbv	95
3) Chlorodifluoromethane	3.01	51	844220	8.772	ppbv	100
4) Chloromethane	3.17	50	450139	8.838	ppbv	99
5) Vinyl Chloride	3.29	62	455050	9.094	ppbv	99
6) Bromomethane	3.52	94	302352	9.402	ppbv	94
7) Chloroethane	3.60	64	171913	9.231	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1167161	8.984	ppbv	99
9) Propene	3.04	41	360868	8.928	ppbv	99
10) Heptane	8.25	43	962887	8.912	ppbv	100
11) Trichlorofluoromethane	4.00	101	1382837	9.203	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	927845	9.193	ppbv	99
13) Ethanol	3.65	45	116685	11.156	ppbv	66
14) Bromoethene	3.79	108	378588	9.405	ppbv	98
15) Acetone	3.90	43	859429	8.550	ppbv	99
16) 1,3-Butadiene	3.36	39	413033	10.360	ppbv	92
17) tert-Butyl alcohol	4.35	59	180094	9.744	ppbv	100
18) 1,1-Dichloroethene	4.35	96	411286	9.487	ppbv	97
19) Isopropyl Alcohol	4.02	45	654812	10.299	ppbv	# 98
20) Methylene Chloride	4.41	84	354235	8.302	ppbv	96
21) Allyl Chloride	4.48	41	606735	9.549	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	422583	9.343	ppbv	97
23) Vinyl Acetate	5.16	43	1306318	9.131	ppbv	99
24) 1,1-Dichloroethane	5.09	63	925826	8.519	ppbv	100
25) Ethyl Acetate	5.77	43	1610075	8.633	ppbv	100
26) Hexane	5.78	57	717241	8.650	ppbv	99
27) Carbon Disulfide	4.62	76	1023988	10.384	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	1059457	8.871	ppbv	100
29) Chloroform	5.85	83	1247066	8.773	ppbv	99
30) Cyclohexane	7.25	84	613588	9.353	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	747462	9.066	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1235240	9.126	ppbv	100
34) 2-Butanone	5.33	43	1040566	8.636	ppbv	100
35) Carbon Tetrachloride	7.13	117	1356935	9.553	ppbv	98
36) Benzene	7.01	78	1523351	9.053	ppbv	97
37) 1,2-Dichloroethane	6.42	62	956799	8.483	ppbv	100
38) Trichloroethene	7.96	130	625443	9.876	ppbv	99
39) 1,2-Dichloropropane	7.73	63	559746	8.492	ppbv	99
40) 1,4-Dioxane	7.96	88	241665	10.279	ppbv	# 1
41) Tetrahydrofuran	6.15	42	585271	8.831	ppbv	98
42) Bromodichloromethane	7.92	83	1389108	9.043	ppbv	99
43) Methyl Methacrylate	8.14	69	624784	9.144	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2621142	8.914	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	854077	10.181	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	953692	9.735	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	654756	8.748	ppbv	99
48) Dibromochloromethane	10.45	129	1226077	9.711	ppbv	99
49) Bromoform	13.20	173	1123397	9.314	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1580672	8.959	ppbv	99
51) 2-Hexanone	10.27	43	1265941	9.619	ppbv #	100
52) Tetrachloroethene	11.37	164	598610	9.429	ppbv	96
53) Toluene	9.95	91	1852303	9.473	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1052832	8.993	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	851911	8.304	ppbv #	59
57) Chlorobenzene	12.30	112	1429169	8.222	ppbv	95
58) Ethyl Benzene	12.87	91	2633679	8.810	ppbv	100
59) m/p-Xylene	13.15	91	4548340m	17.034	ppbv	
60) o-Xylene	13.85	91	2238132	8.668	ppbv	99
61) Styrene	13.69	104	1658969	9.362	ppbv	100
62) Isopropylbenzene	14.83	105	3109306	8.504	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1549123	8.148	ppbv	99
64) n-propylbenzene	15.73	120	808939	8.719	ppbv	98
65) tert-Butylbenzene	16.91	119	2871850	8.913	ppbv	99
66) Benzyl Chloride	17.16	91	1598730	10.671	ppbv	99
67) sec-Butylbenzene	17.46	105	4016531	8.766	ppbv	100
69) p-Isopropyltoluene	17.82	119	3352301	8.986	ppbv	100
70) n-Butylbenzene	18.72	91	3503574	8.863	ppbv	99
71) 2-Chlorotoluene	15.62	91	2404755	8.649	ppbv	99
72) 4-Ethyltoluene	16.00	105	2580441	8.891	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2506993	9.026	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	2651177	8.906	ppbv	96
75) 1,3-Dichlorobenzene	17.17	146	1572207	8.545	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1548435	8.637	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1512145	8.662	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1143656	9.896	ppbv	99
79) Naphthalene	22.41	128	2566079	10.070	ppbv	98
80) Naphthalene, 2-methyl-	25.11	142	1189272	13.906	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1348088	9.537	ppbv	100

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

