

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041719\
 Data File : VL033609.D
 Acq On : 17 Apr 2019 19:27
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Apr 18 07:00:37 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	798705	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1920219	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2235815m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1781352	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	845331	7.257 ppbv	94
3) Chlorodifluoromethane	3.01	51	808314	8.791 ppbv	100
4) Chloromethane	3.17	50	429452	8.826 ppbv	98
5) Vinyl Chloride	3.29	62	440986	9.224 ppbv	100
6) Bromomethane	3.51	94	279699	9.104 ppbv	99
7) Chloroethane	3.60	64	160792	9.037 ppbv	93
8) Dichlorotetrafluoroethane	3.22	85	1106493	8.914 ppbv	100
9) Propene	3.04	41	339888	8.802 ppbv	98
10) Heptane	8.25	43	1034730	10.024 ppbv	99
11) Trichlorofluoromethane	4.00	101	1313693	9.151 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	898103	9.314 ppbv	99
13) Ethanol	3.65	45	103362	10.344 ppbv	64
14) Bromoethene	3.79	108	349335	9.083 ppbv	99
15) Acetone	3.90	43	830580	8.649 ppbv	99
16) 1,3-Butadiene	3.36	39	356572	9.361 ppbv	87
17) tert-Butyl alcohol	4.35	59	167019	9.459 ppbv	100
18) 1,1-Dichloroethene	4.35	96	381848	9.219 ppbv	97
19) Isopropyl Alcohol	4.02	45	600379	9.884 ppbv	# 98
20) Methylene Chloride	4.41	84	355048	8.709 ppbv	96
21) Allyl Chloride	4.48	41	573522	9.447 ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	410339	9.496 ppbv	95
23) Vinyl Acetate	5.16	43	1279096	9.358 ppbv	99
24) 1,1-Dichloroethane	5.09	63	909836	8.763 ppbv	98
25) Ethyl Acetate	5.77	43	1561901	8.766 ppbv	100
26) Hexane	5.78	57	704900	8.897 ppbv	98
27) Carbon Disulfide	4.62	76	991373	10.523 ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1024209	8.976 ppbv	99
29) Chloroform	5.85	83	1198958	8.828 ppbv	99
30) Cyclohexane	7.25	84	594137	9.480 ppbv	100
31) cis-1,2-Dichloroethene	5.64	61	716855	9.101 ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1201670	9.292 ppbv	100
34) 2-Butanone	5.33	43	1018385	8.827 ppbv	100
35) Carbon Tetrachloride	7.14	117	1313971	9.661 ppbv	98
36) Benzene	7.01	78	1458099	9.050 ppbv	98
37) 1,2-Dichloroethane	6.42	62	921241	8.530 ppbv	100
38) Trichloroethene	7.96	130	651857	10.750 ppbv	97
39) 1,2-Dichloropropane	7.74	63	533343	8.450 ppbv	99
40) 1,4-Dioxane	7.96	88	238387	10.590 ppbv	# 1
41) Tetrahydrofuran	6.15	42	570462	8.990 ppbv	98
42) Bromodichloromethane	7.92	83	1452779	9.877 ppbv	100
43) Methyl Methacrylate	8.14	69	651637	9.961 ppbv	98

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44) 2,2,4-Trimethylpentane	7.99	57	2735711	9.717	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	908120	11.306	ppbv	97
46) cis-1,3-Dichloropropene	8.84	75	1022687	10.903	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	696991	9.725	ppbv	98
48) Dibromochloromethane	10.45	129	1285300	10.632	ppbv	100
49) Bromoform	13.20	173	1189033	10.296	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1681216	9.952	ppbv	99
51) 2-Hexanone	10.27	43	1318996	10.467	ppbv	99
52) Tetrachloroethene	11.37	164	634667	10.440	ppbv	94
53) Toluene	9.95	91	1950965	10.420	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1117020	9.965	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.28	131	909290	8.874	ppbv	99
57) Chlorobenzene	12.30	112	1524376	8.781	ppbv	97
58) Ethyl Benzene	12.86	91	2781028	9.314	ppbv	99
59) m/p-Xylene	13.15	91	4772036m	17.894	ppbv	
60) o-Xylene	13.85	91	2370719	9.193	ppbv	99
61) Styrene	13.69	104	1729501	9.771	ppbv	100
62) Isopropylbenzene	14.83	105	3317046	9.083	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1663218	8.759	ppbv	99
64) n-propylbenzene	15.72	120	858147	9.261	ppbv	98
65) tert-Butylbenzene	16.91	119	3038325	9.441	ppbv	99
66) Benzyl Chloride	17.16	91	1698358	11.350	ppbv	99
67) sec-Butylbenzene	17.46	105	4300656	9.397	ppbv	100
69) p-Isopropyltoluene	17.81	119	3565433	9.568	ppbv	100
70) n-Butylbenzene	18.71	91	3754936	9.511	ppbv	100
71) 2-Chlorotoluene	15.62	91	2560318	9.220	ppbv	99
72) 4-Ethyltoluene	16.00	105	2766114	9.542	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	2671829	9.631	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	2786481	9.372	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	1669102	9.082	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1659296	9.267	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1605434	9.207	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1215134	10.528	ppbv	99
79) Naphthalene	22.41	128	2695597	10.591	ppbv	100
80) Naphthalene, 2-methyl-	25.11	142	1248226	14.613	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1411684	9.999	ppbv	100

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

