

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052819\
 Data File : VL033809.D
 Acq On : 28 May 2019 17:42
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 5/29/2019 12:40:28 PM

Quant Time: May 29 05:25:14 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	945433	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2487769	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2537357m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1903218	9.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.08	85	1473595	7.396	ppbv 99
3) Chlorodifluoromethane	3.01	51	1075358	9.930	ppbv 98
4) Chloromethane	3.17	50	667815	10.782	ppbv 100
5) Vinyl Chloride	3.29	62	652083	10.335	ppbv 97
6) Bromomethane	3.51	94	408741	10.617	ppbv 95
7) Chloroethane	3.60	64	238973	10.657	ppbv 98
8) Dichlorotetrafluoroethane	3.22	85	1588253	9.887	ppbv 96
9) Propene	3.03	41	523264	11.360	ppbv 100
10) Heptane	8.24	43	1326722	10.171	ppbv 99
11) Trichlorofluoromethane	4.00	101	1727716	9.085	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1189144	8.955	ppbv 96
13) Ethanol	3.65	45	111255	7.473	ppbv 99
14) Bromoethene	3.78	108	539683	11.055	ppbv 97
15) Acetone	3.90	43	1124311	8.571	ppbv 99
16) 1,3-Butadiene	3.36	39	570756	10.926	ppbv 100
17) tert-Butyl alcohol	4.35	59	1155671	10.895	ppbv 100
18) 1,1-Dichloroethene	4.35	96	546971	9.759	ppbv 97
19) Isopropyl Alcohol	4.02	45	874796	10.343	ppbv 99
20) Methylene Chloride	4.41	84	459414	9.096	ppbv 97
21) Allyl Chloride	4.47	41	799989	9.778	ppbv 99
22) trans-1,2-Dichloroethene	4.96	96	546486	9.512	ppbv 92
23) Vinyl Acetate	5.15	43	1906287	11.022	ppbv 98
24) 1,1-Dichloroethane	5.09	63	1301990	9.903	ppbv 98
25) Ethyl Acetate	5.77	43	2223054	9.647	ppbv 99
26) Hexane	5.78	57	999522	10.090	ppbv 98
27) Carbon Disulfide	4.62	76	1327609	9.768	ppbv 99
28) Methyl tert-Butyl Ether	5.11	73	1784077	11.047	ppbv 100
29) Chloroform	5.85	83	1669286	9.148	ppbv 99
30) Cyclohexane	7.25	84	895474	10.752	ppbv 96
31) cis-1,2-Dichloroethene	5.64	61	1022891	10.414	ppbv 94
32) 1,1,1-Trichloroethane	6.62	97	1678760	9.214	ppbv 99
34) 2-Butanone	5.33	43	1500670	9.732	ppbv 98
35) Carbon Tetrachloride	7.13	117	1731370	8.688	ppbv 99
36) Benzene	7.00	78	2151234	9.506	ppbv 97
37) 1,2-Dichloroethane	6.41	62	1202693	8.239	ppbv 98
38) Trichloroethene	7.96	130	890994	10.611	ppbv 97
39) 1,2-Dichloropropane	7.73	63	817034	9.684	ppbv 96
40) 1,4-Dioxane	7.95	88	354222	10.036	ppbv # 89
41) Tetrahydrofuran	6.15	42	859591	9.949	ppbv 97
42) Bromodichloromethane	7.91	83	1830961	9.162	ppbv 97
43) Methyl Methacrylate	8.13	69	872368	10.475	ppbv 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3546574	9.273	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1121197	10.619	ppbv	97
46) cis-1,3-Dichloropropene	8.83	75	1280969	10.361	ppbv	94
47) 1,1,2-Trichloroethane	9.61	97	898592	9.375	ppbv	99
48) Dibromochloromethane	10.44	129	1570297	9.455	ppbv	100
49) Bromoform	13.20	173	1430169	10.235	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	2195358	9.256	ppbv	98
51) 2-Hexanone	10.26	43	1821069	9.838	ppbv #	99
52) Tetrachloroethene	11.37	164	826679	10.392	ppbv	97
53) Toluene	9.94	91	2546624	10.433	ppbv	100
54) 1,2-Dibromoethane	10.75	107	1398260	9.559	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.27	131	1062237	9.047	ppbv	98
57) Chlorobenzene	12.30	112	1908771	9.139	ppbv	97
58) Ethyl Benzene	12.86	91	3510540	10.448	ppbv	100
59) m/p-Xylene	13.15	91	5744567m	19.558	ppbv	
60) o-Xylene	13.85	91	2802437	9.465	ppbv	97
61) Styrene	13.68	104	2207321	11.073	ppbv	98
62) Isopropylbenzene	14.82	105	3807992	9.550	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	1944932	9.033	ppbv	99
64) n-propylbenzene	15.72	120	1002612	9.721	ppbv	98
65) tert-Butylbenzene	16.90	119	3447134	9.468	ppbv	98
66) Benzyl Chloride	17.15	91	1759715	10.148	ppbv	99
67) sec-Butylbenzene	17.45	105	4858593	9.535	ppbv	100
69) p-Isopropyltoluene	17.81	119	4140694	9.831	ppbv	99
70) n-Butylbenzene	18.71	91	4225252	9.355	ppbv	100
71) 2-Chlorotoluene	15.61	91	2861728	9.673	ppbv	98
72) 4-Ethyltoluene	15.99	105	3325773	9.824	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	3179335	9.625	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	3310264	9.208	ppbv	96
75) 1,3-Dichlorobenzene	17.16	146	1974483	8.963	ppbv	99
76) 1,4-Dichlorobenzene	17.30	146	1934856	9.241	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	1920173	9.277	ppbv	99
78) Hexachloro-1,3-Butadiene	23.53	225	1360816	8.695	ppbv	99
79) Naphthalene	22.40	128	2715356	8.132	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1071897	8.449	ppbv	98
81) 1,2,4-Trichlorobenzene	22.13	180	1563810	7.998	ppbv	99

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

