

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062619\
 Data File : VL033987.D
 Acq On : 27 Jun 2019 9:44
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 3:02:44 PM

Quant Time: Jun 27 14:33:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 2019
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	765359	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.27	114	1756869	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.21	117	1997622	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.55	95	1668479	10.17	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	976626	7.864	ppbv 99
3) Chlorodifluoromethane	3.00	51	951648	10.562	ppbv 98
4) Chloromethane	3.15	50	513331	9.988	ppbv 99
5) Vinyl Chloride	3.27	62	536118	11.243	ppbv 99
6) Bromomethane	3.49	94	343483	10.842	ppbv 90
7) Chloroethane	3.58	64	202443	10.735	ppbv 99
8) Dichlorotetrafluoroethane	3.20	85	1431460	10.785	ppbv 99
9) Propene	3.02	41	366682	10.876	ppbv 100
10) Heptane	8.22	43	1054690	12.377	ppbv 100
11) Trichlorofluoromethane	3.98	101	1907708	11.905	ppbv 94
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1266344	11.693	ppbv 99
13) Ethanol	3.63	45	86971	7.929	ppbv 100
14) Bromoethene	3.77	108	463432	11.484	ppbv 99
15) Acetone	3.88	43	1204152	10.788	ppbv 98
16) 1,3-Butadiene	3.35	39	495182	11.655	ppbv 97
17) tert-Butyl alcohol	4.33	59	1030128	11.805	ppbv 99
18) 1,1-Dichloroethene	4.33	96	543752	11.887	ppbv 97
19) Isopropyl Alcohol	4.00	45	754012	11.824	ppbv 99
20) Methylene Chloride	4.39	84	468225	10.756	ppbv 99
21) Allyl Chloride	4.45	41	780031	12.302	ppbv 97
22) trans-1,2-Dichloroethene	4.94	96	569970	11.820	ppbv 98
23) Vinyl Acetate	5.13	43	1503586	11.589	ppbv 99
24) 1,1-Dichloroethane	5.07	63	1099317	10.894	ppbv 99
25) Ethyl Acetate	5.74	43	1929936	11.353	ppbv 99
26) Hexane	5.75	57	841498	10.872	ppbv 99
27) Carbon Disulfide	4.60	76	1384868	12.879	ppbv 100
28) Methyl tert-Butyl Ether	5.09	73	1362220	11.639	ppbv 100
29) Chloroform	5.82	83	1494374	11.273	ppbv 98
30) Cyclohexane	7.22	84	681675	12.465	ppbv 99
31) cis-1,2-Dichloroethene	5.62	61	839245	12.365	ppbv 99
32) 1,1,1-Trichloroethane	6.59	97	1571216	12.287	ppbv 99
34) 2-Butanone	5.31	43	1194577	12.053	ppbv 99
35) Carbon Tetrachloride	7.11	117	1712965	12.620	ppbv 98
36) Benzene	6.98	78	1634040	12.176	ppbv 98
37) 1,2-Dichloroethane	6.39	62	1168832	11.776	ppbv 100
38) Trichloroethene	7.93	130	724020	13.856	ppbv 98
39) 1,2-Dichloropropane	7.71	63	616301	11.899	ppbv 93
40) 1,4-Dioxane	7.93	88	230285	10.901	ppbv # 1
41) Tetrahydrofuran	6.12	42	639667	12.716	ppbv 99
42) Bromodichloromethane	7.89	83	1639249	12.359	ppbv 97
43) Methyl Methacrylate	8.11	69	674421	13.437	ppbv 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062619\
 Data File : VL033987.D
 Acq On : 27 Jun 2019 9:44
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 3:02:44 PM

Quant Time: Jun 27 14:33:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.96	57	2917868	12.226	ppbv	99
45) t-1,3-Dichloropropene	9.39	75	937920	14.241	ppbv	100
46) cis-1,3-Dichloropropene	8.81	75	1056345	14.000	ppbv	96
47) 1,1,2-Trichloroethane	9.59	97	727801	11.787	ppbv	97
48) Dibromochloromethane	10.43	129	1441507	12.990	ppbv	99
49) Bromoform	13.17	173	1424355	14.540	ppbv	100
50) 4-Methyl-2-Pentanone	8.84	43	1865504	12.622	ppbv	99
51) 2-Hexanone	10.24	43	1526320	13.225	ppbv	99
52) Tetrachloroethene	11.34	164	668918	14.165	ppbv	96
53) Toluene	9.92	91	1996080	13.440	ppbv	100
54) 1,2-Dibromoethane	10.73	107	1166495	12.532	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.25	131	983476	11.270	ppbv	99
57) Chlorobenzene	12.27	112	1635365	10.931	ppbv	98
58) Ethyl Benzene	12.84	91	3094509	13.740	ppbv	99
59) m/p-Xylene	13.12	91	5366125m	26.201	ppbv	
60) o-Xylene	13.82	91	2742382	12.969	ppbv	99
61) Styrene	13.66	104	1924039	14.060	ppbv	98
62) Isopropylbenzene	14.80	105	3634985	12.754	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.81	83	1934380	12.152	ppbv	99
64) n-propylbenzene	15.70	120	954262	13.075	ppbv	98
65) tert-Butylbenzene	16.88	119	3477811	13.188	ppbv	99
66) Benzyl Chloride	17.13	91	1839094	13.761	ppbv	99
67) sec-Butylbenzene	17.43	105	4812367	13.008	ppbv	100
69) p-Isopropyltoluene	17.79	119	4025184	13.076	ppbv	99
70) n-Butylbenzene	18.69	91	4227203	12.538	ppbv	100
71) 2-Chlorotoluene	15.59	91	2793000	13.302	ppbv	100
72) 4-Ethyltoluene	15.97	105	3257844	13.539	ppbv	99
73) 1,3,5-Trimethylbenzene	16.13	105	3161984	13.340	ppbv	97
74) 1,2,4-Trimethylbenzene	16.90	105	3383288	12.384	ppbv	96
75) 1,3-Dichlorobenzene	17.14	146	1943679	11.361	ppbv	100
76) 1,4-Dichlorobenzene	17.28	146	1889188	12.026	ppbv	99
77) 1,2-Dichlorobenzene	17.96	146	1860081	11.781	ppbv	99
78) Hexachloro-1,3-Butadiene	23.51	225	1313346	10.650	ppbv	99
79) Naphthalene	22.37	128	2373885	10.871	ppbv	99
80) Naphthalene, 2-methyl-	25.09	142	863450	9.910	ppbv #	93
81) 1,2,4-Trichlorobenzene	22.10	180	1429677	10.370	ppbv	100

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

