

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091720\
 Data File : VL035680.D
 Acq On : 18 Sep 2020 11:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:12:08 PM

Quant Time: Sep 18 14:57:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1049409	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4225485	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4321835m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3074485	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1356526	7.459	ppbv	98
3) Chlorodifluoromethane	2.98	51	1142613	9.845	ppbv	100
4) Chloromethane	3.13	50	613217	9.862	ppbv	98
5) Vinyl Chloride	3.25	62	728445	9.502	ppbv	99
6) Bromomethane	3.47	94	631782	9.812	ppbv	99
7) Chloroethane	3.55	64	275683	10.171	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2030448	9.219	ppbv	93
9) Propene	3.00	41	433107	9.680	ppbv	99
10) Heptane	8.13	43	1263646	10.514	ppbv	99
11) Trichlorofluoromethane	3.95	101	2505125	9.446	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1899415	9.489	ppbv	93
13) Ethanol	3.60	45	101656	9.163	ppbv	97
14) Bromoethene	3.74	108	836813	9.712	ppbv	100
15) Acetone	3.85	43	989312	8.548	ppbv	99
16) 1,3-Butadiene	3.32	39	450712	10.461	ppbv	99
17) tert-Butyl alcohol	4.29	59	1319742	9.368	ppbv	100
18) 1,1-Dichloroethene	4.29	96	879179	9.974	ppbv	96
19) Isopropyl Alcohol	3.97	45	652378	9.448	ppbv #	97
20) Methylene Chloride	4.34	84	759058	8.805	ppbv	97
21) Allyl Chloride	4.41	41	600754	11.079	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	925709	9.865	ppbv	94
23) Vinyl Acetate	5.08	43	1554863	10.467	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1538343	10.063	ppbv	99
25) Ethyl Acetate	5.68	43	2087223	10.208	ppbv	99
26) Hexane	5.69	57	1184057	10.220	ppbv	100
27) Carbon Disulfide	4.55	76	1893597	11.390	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2017496	9.992	ppbv	99
29) Chloroform	5.76	83	2339568	9.911	ppbv	99
30) Cyclohexane	7.14	84	1287662	10.375	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1237345	10.410	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	2266037	9.896	ppbv	98
34) 2-Butanone	5.25	43	1409464	11.240	ppbv	98
35) Carbon Tetrachloride	7.03	117	2362035	11.122	ppbv	99
36) Benzene	6.90	78	2952889	10.796	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1433380	10.992	ppbv	99
38) Trichloroethene	7.84	130	1519001	9.561	ppbv	95
39) 1,2-Dichloropropane	7.62	63	1018411	11.022	ppbv	99
40) 1,4-Dioxane	7.84	88	495688	10.739	ppbv	76
41) Tetrahydrofuran	6.05	42	801910	12.059	ppbv	98
42) Bromodichloromethane	7.80	83	2435800	11.551	ppbv	99
43) Methyl Methacrylate	8.02	69	1247642	11.796	ppbv	97

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44) 2,2,4-Trimethylpentane	7.88	57	3941559	10.952	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1408609	13.147	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1660561	12.483	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1449064	10.628	ppbv	98
48) Dibromochloromethane	10.32	129	2442767	11.384	ppbv	100
49) Bromoform	13.06	173	2197736	11.301	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2099627	11.563	ppbv	99
51) 2-Hexanone	10.15	43	1787195	11.998	ppbv #	98
52) Tetrachloroethene	11.24	164	1557248	9.746	ppbv	97
53) Toluene	9.82	91	3742831	10.881	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2294935	10.653	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1895154	10.777	ppbv	100
57) Chlorobenzene	12.17	112	3187845	10.022	ppbv	97
58) Ethyl Benzene	12.73	91	4893932	10.981	ppbv	98
59) m/p-Xylene	13.02	91	8388998m	22.527	ppbv	
60) o-Xylene	13.72	91	4079511	10.877	ppbv	98
61) Styrene	13.55	104	3244624	11.311	ppbv	98
62) Isopropylbenzene	14.69	105	6176842	10.252	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	2960185	10.180	ppbv	100
64) n-propylbenzene	15.59	120	1921201	10.449	ppbv	89
65) tert-Butylbenzene	16.77	119	5776265	10.313	ppbv	96
66) Benzyl Chloride	17.02	91	2208989	15.870	ppbv	96
67) sec-Butylbenzene	17.32	105	7716212	10.341	ppbv	96
69) p-Isopropyltoluene	17.68	119	6634539	10.136	ppbv	98
70) n-Butylbenzene	18.58	91	6630796	10.517	ppbv	97
71) 2-Chlorotoluene	15.48	91	4756800	10.842	ppbv	95
72) 4-Ethyltoluene	15.86	105	5125795	10.750	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	4746313	10.762	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	4968623	10.259	ppbv	96
75) 1,3-Dichlorobenzene	17.02	146	3352820	9.346	ppbv	98
76) 1,4-Dichlorobenzene	17.17	146	3377044	9.545	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	3286424	9.455	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	1912504	8.619	ppbv	100
79) Naphthalene	22.24	128	5561603	10.349	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	2116322	11.538	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	2871584	8.923	ppbv	99

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

