

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091020\
 Data File : VL035594.D
 Acq On : 11 Sep 2020 8:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 2:03:13 PM

Quant Time: Sep 11 09:36:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1080018	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4436039	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	4736090m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3406306	10.13	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1628116	8.699	ppbv	100
3) Chlorodifluoromethane	2.97	51	1104575	9.247	ppbv	99
4) Chloromethane	3.13	50	587278	9.177	ppbv	99
5) Vinyl Chloride	3.24	62	703758	8.920	ppbv	99
6) Bromomethane	3.46	94	624755	9.427	ppbv	100
7) Chloroethane	3.55	64	265719	9.526	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2076612	9.161	ppbv	95
9) Propene	2.99	41	421189	9.146	ppbv	100
10) Heptane	8.12	43	1220938	9.871	ppbv	99
11) Trichlorofluoromethane	3.94	101	2484868	9.104	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1899724	9.222	ppbv	93
13) Ethanol	3.59	45	106726	9.348	ppbv	98
14) Bromoethene	3.73	108	852305	9.612	ppbv	100
15) Acetone	3.84	43	948740	7.965	ppbv	99
16) 1,3-Butadiene	3.31	39	438792	9.896	ppbv	98
17) tert-Butyl alcohol	4.28	59	1416402	9.769	ppbv	100
18) 1,1-Dichloroethene	4.28	96	881293	9.715	ppbv	98
19) Isopropyl Alcohol	3.96	45	734414	10.335	ppbv	99
20) Methylene Chloride	4.33	84	717015	8.082	ppbv	98
21) Allyl Chloride	4.40	41	583079	10.448	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	924526	9.573	ppbv	95
23) Vinyl Acetate	5.07	43	1469815	9.614	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1474268	9.370	ppbv	100
25) Ethyl Acetate	5.67	43	2007919	9.542	ppbv	100
26) Hexane	5.68	57	1131717	9.492	ppbv	99
27) Carbon Disulfide	4.54	76	1938411	11.329	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1947315	9.371	ppbv	100
29) Chloroform	5.74	83	2329586	9.589	ppbv	98
30) Cyclohexane	7.13	84	1276096	9.991	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1211801	9.906	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2275173	9.654	ppbv	99
34) 2-Butanone	5.24	43	1360867	10.337	ppbv	99
35) Carbon Tetrachloride	7.01	117	2396741	10.750	ppbv	99
36) Benzene	6.89	78	2914841	10.151	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1418332	10.360	ppbv	99
38) Trichloroethene	7.83	130	1522337	9.127	ppbv	95
39) 1,2-Dichloropropane	7.61	63	987052	10.176	ppbv	99
40) 1,4-Dioxane	7.83	88	532614	10.991	ppbv	93
41) Tetrahydrofuran	6.04	42	767130	10.989	ppbv	99
42) Bromodichloromethane	7.79	83	2459981	11.112	ppbv	100
43) Methyl Methacrylate	8.01	69	1233473	11.109	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3875096	10.256	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1373378	12.210	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1658176	11.873	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1456338	10.175	ppbv	98
48) Dibromochloromethane	10.31	129	2473071	10.978	ppbv	100
49) Bromoform	13.05	173	2225626	10.901	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2029269	10.645	ppbv	100
51) 2-Hexanone	10.14	43	1681798	10.755	ppbv #	99
52) Tetrachloroethene	11.23	164	1437843	8.571	ppbv	97
53) Toluene	9.81	91	3714237	10.286	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2280837	10.085	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	1932031	10.026	ppbv	97
57) Chlorobenzene	12.16	112	3181950	9.129	ppbv	97
58) Ethyl Benzene	12.72	91	4853284	9.937	ppbv	99
59) m/p-Xylene	13.01	91	8298533m	20.335	ppbv	
60) o-Xylene	13.70	91	4064589	9.889	ppbv	98
61) Styrene	13.54	104	3233642	10.287	ppbv	99
62) Isopropylbenzene	14.68	105	6127985	9.282	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	2939961	9.226	ppbv	99
64) n-propylbenzene	15.57	120	1897987	9.420	ppbv	90
65) tert-Butylbenzene	16.76	119	5745487	9.361	ppbv	97
66) Benzyl Chloride	17.00	91	1881233	12.333	ppbv	95
67) sec-Butylbenzene	17.31	105	7572545	9.261	ppbv	97
69) p-Isopropyltoluene	17.67	119	6464409	9.013	ppbv	98
70) n-Butylbenzene	18.56	91	6319607	9.147	ppbv	98
71) 2-Chlorotoluene	15.46	91	4680181	9.734	ppbv	96
72) 4-Ethyltoluene	15.85	105	4992413	9.554	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	4669978	9.663	ppbv	97
74) 1,2,4-Trimethylbenzene	16.78	105	4867661	9.171	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	3298851	8.391	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	3295208	8.499	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	3193473	8.384	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1819810	7.484	ppbv	99
79) Naphthalene	22.22	128	4967858	8.436	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	1620408	8.061	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	2690602	7.629	ppbv	100

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

