

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022820\
 Data File : VL034732.D
 Acq On : 28 Feb 2020 9:16
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 1:01:07 PM

Quant Time: Mar 02 04:45:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1045736	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2217916	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2370465m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1896212	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	1290111	7.820	ppbv 96
3) Chlorodifluoromethane	2.95	51	1164990	10.323	ppbv 97
4) Chloromethane	3.11	50	648519	10.266	ppbv 99
5) Vinyl Chloride	3.22	62	631171	10.184	ppbv 98
6) Bromomethane	3.44	94	371635	10.235	ppbv 97
7) Chloroethane	3.53	64	230424	10.015	ppbv 92
8) Dichlorotetrafluoroethane	3.15	85	1390701	9.531	ppbv 98
9) Propene	2.97	41	522234	11.070	ppbv 99
10) Heptane	8.14	43	1349060	11.110	ppbv 99
11) Trichlorofluoromethane	3.93	101	1414198	9.787	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	975210	9.575	ppbv 94
13) Ethanol	3.58	45	149498	10.032	ppbv 98
14) Bromoethene	3.71	108	432317	10.173	ppbv 99
15) Acetone	3.83	43	1137949	9.550	ppbv 98
16) 1,3-Butadiene	3.29	39	591009	10.714	ppbv 97
17) tert-Butyl alcohol	4.27	59	1183925	12.965	ppbv 99
18) 1,1-Dichloroethene	4.27	96	455534	9.962	ppbv 91
19) Isopropyl Alcohol	3.95	45	893307	12.586	ppbv # 98
20) Methylene Chloride	4.32	84	399062	9.005	ppbv 97
21) Allyl Chloride	4.39	41	824697	10.460	ppbv 98
22) trans-1,2-Dichloroethene	4.87	96	455462	10.216	ppbv 92
23) Vinyl Acetate	5.06	43	1894666	11.695	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1300876	10.055	ppbv 99
25) Ethyl Acetate	5.67	43	2277371	10.796	ppbv 100
26) Hexane	5.68	57	993808	10.222	ppbv 96
27) Carbon Disulfide	4.53	76	1192756	10.808	ppbv 98
28) Methyl tert-Butyl Ether	5.02	73	1574113	11.333	ppbv 100
29) Chloroform	5.75	83	1547180	9.988	ppbv 98
30) Cyclohexane	7.14	84	833131	11.057	ppbv 98
31) cis-1,2-Dichloroethene	5.55	61	1049710	10.971	ppbv 96
32) 1,1,1-Trichloroethane	6.51	97	1523467	10.532	ppbv 99
34) 2-Butanone	5.24	43	1514323	10.847	ppbv 99
35) Carbon Tetrachloride	7.03	117	1534075	10.328	ppbv 96
36) Benzene	6.90	78	2012592	10.506	ppbv 94
37) 1,2-Dichloroethane	6.31	62	1224797	10.143	ppbv 100
38) Trichloroethene	7.85	130	731050	9.901	ppbv 97
39) 1,2-Dichloropropane	7.63	63	812348	10.659	ppbv 97
40) 1,4-Dioxane	7.84	88	297321	11.472	ppbv # 1
41) Tetrahydrofuran	6.04	42	855873	11.615	ppbv 99
42) Bromodichloromethane	7.81	83	1678019	10.614	ppbv 99
43) Methyl Methacrylate	8.03	69	934319	11.596	ppbv 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022820\
 Data File : VL034732.D
 Acq On : 28 Feb 2020 9:16
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 1:01:07 PM

Quant Time: Mar 02 04:45:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3470388	10.366	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	1103462	12.550	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1284249	12.179	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	828992	10.603	ppbv	97
48) Dibromochloromethane	10.33	129	1361760	11.201	ppbv	99
49) Bromoform	13.08	173	1195472	11.341	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2234748	11.302	ppbv	99
51) 2-Hexanone	10.16	43	1848770	11.881	ppbv #	99
52) Tetrachloroethene	11.25	164	697788	9.938	ppbv	97
53) Toluene	9.83	91	2290364	11.241	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1259125	10.795	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1005189	9.957	ppbv	98
57) Chlorobenzene	12.18	112	1676115	9.567	ppbv	98
58) Ethyl Benzene	12.75	91	3067553	10.696	ppbv	99
59) m/p-Xylene	13.01	91	5016856m	20.056	ppbv	
60) o-Xylene	13.73	91	2486113	10.016	ppbv	99
61) Styrene	13.56	104	1779480	11.160	ppbv	98
62) Isopropylbenzene	14.71	105	3665009	10.122	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1777805	9.190	ppbv	100
64) n-propylbenzene	15.60	120	935061	10.017	ppbv	91
65) tert-Butylbenzene	16.79	119	3137139	10.034	ppbv	99
66) Benzyl Chloride	17.03	91	1462055	12.536	ppbv	99
67) sec-Butylbenzene	17.34	105	4507720	10.019	ppbv	99
69) p-Isopropyltoluene	17.70	119	3734620	10.084	ppbv	99
70) n-Butylbenzene	18.59	91	4037003	10.010	ppbv	100
71) 2-Chlorotoluene	15.49	91	2871332	10.239	ppbv	100
72) 4-Ethyltoluene	15.88	105	2951733	10.684	ppbv	98
73) 1,3,5-Trimethylbenzene	16.04	105	2781756	10.467	ppbv	96
74) 1,2,4-Trimethylbenzene	16.81	105	2839675	9.675	ppbv	94
75) 1,3-Dichlorobenzene	17.05	146	1620927	9.567	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1598785	9.432	ppbv	96
77) 1,2-Dichlorobenzene	17.87	146	1577415	9.630	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1393752	9.772	ppbv	99
79) Naphthalene	22.27	128	2723500	10.544	ppbv	100
80) Naphthalene, 2-methyl-	25.02	142	1265012	15.877	ppbv	94
81) 1,2,4-Trichlorobenzene	22.00	180	1542831	10.008	ppbv	99

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

