

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101220\
 Data File : VL035780.D
 Acq On : 13 Oct 2020 7:55
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:12:12 PM

Quant Time: Oct 13 12:25:54 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 2020

QLast Update : Wed Sep 23 07:38:05 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1064490	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4143253	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4154248m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2981876	9.58	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1465235	8.389	ppbv	99
3) Chlorodifluoromethane	2.99	51	1185991	10.356	ppbv	99
4) Chloromethane	3.14	50	643250	10.456	ppbv	99
5) Vinyl Chloride	3.26	62	750233	10.310	ppbv	98
6) Bromomethane	3.47	94	628061	10.211	ppbv	98
7) Chloroethane	3.56	64	285355	10.693	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	2042374	9.641	ppbv	97
9) Propene	3.01	41	462632	11.126	ppbv	100
10) Heptane	8.14	43	1295042	11.172	ppbv	100
11) Trichlorofluoromethane	3.95	101	2388627	9.585	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1794410	9.659	ppbv	98
13) Ethanol	3.61	45	107232	10.458	ppbv	99
14) Bromoethene	3.74	108	827682	10.577	ppbv	99
15) Acetone	3.85	43	1100226	9.605	ppbv	98
16) 1,3-Butadiene	3.33	39	469296	11.199	ppbv	99
17) tert-Butyl alcohol	4.30	59	1485386	11.905	ppbv	99
18) 1,1-Dichloroethene	4.29	96	844818	10.386	ppbv	96
19) Isopropyl Alcohol	3.97	45	717791	11.520	ppbv #	97
20) Methylene Chloride	4.35	84	720145	8.559	ppbv	98
21) Allyl Chloride	4.42	41	633510	11.410	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	871145	10.137	ppbv	98
23) Vinyl Acetate	5.08	43	1705092	12.154	ppbv	100
24) 1,1-Dichloroethane	5.02	63	1579856	10.339	ppbv	100
25) Ethyl Acetate	5.69	43	2163789	10.498	ppbv	100
26) Hexane	5.70	57	1190458	10.540	ppbv	98
27) Carbon Disulfide	4.56	76	1899339	11.283	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	2140211	11.954	ppbv	99
29) Chloroform	5.76	83	2319038	10.111	ppbv	98
30) Cyclohexane	7.14	84	1290014	11.577	ppbv	100
31) cis-1,2-Dichloroethene	5.56	61	1270886	11.657	ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	2267888	11.217	ppbv	100
34) 2-Butanone	5.25	43	1497725	10.929	ppbv	99
35) Carbon Tetrachloride	7.03	117	2292340	10.612	ppbv	100
36) Benzene	6.91	78	3004326	11.128	ppbv	100
37) 1,2-Dichloroethane	6.32	62	1451337	10.314	ppbv	100
38) Trichloroethene	7.85	130	1438270	10.679	ppbv	99
39) 1,2-Dichloropropane	7.63	63	1035981	10.587	ppbv	99
40) 1,4-Dioxane	7.84	88	500368	11.181	ppbv	97
41) Tetrahydrofuran	6.06	42	841380	12.187	ppbv	100
42) Bromodichloromethane	7.81	83	2440314	10.766	ppbv	99
43) Methyl Methacrylate	8.03	69	1267153	11.801	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4013480	10.360	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1438287	13.268	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1708853	12.788	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	1430196	10.204	ppbv	99
48) Dibromochloromethane	10.33	129	2363142	11.078	ppbv	100
49) Bromoform	13.07	173	2107161	11.642	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2176429	10.873	ppbv	100
51) 2-Hexanone	10.16	43	1855590	11.506	ppbv #	99
52) Tetrachloroethene	11.25	164	1365186	10.515	ppbv	96
53) Toluene	9.83	91	3695462	11.608	ppbv	100
54) 1,2-Dibromoethane	10.64	107	2246936	10.706	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1822582	10.463	ppbv	98
57) Chlorobenzene	12.17	112	3067091	9.775	ppbv	99
58) Ethyl Benzene	12.74	91	4819204	11.558	ppbv	99
59) m/p-Xylene	13.02	91	8183008m	22.473	ppbv	
60) o-Xylene	13.73	91	3952376	10.730	ppbv	100
61) Styrene	13.56	104	3175060	12.466	ppbv	99
62) Isopropylbenzene	14.70	105	5991213	10.487	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2870762	9.504	ppbv	100
64) n-propylbenzene	15.60	120	1832329	10.958	ppbv	98
65) tert-Butylbenzene	16.78	119	5500295	10.589	ppbv	99
66) Benzyl Chloride	17.02	91	2245666	14.269	ppbv	99
67) sec-Butylbenzene	17.33	105	7453567	10.391	ppbv	99
69) p-Isopropyltoluene	17.69	119	6326222	10.840	ppbv	99
70) n-Butylbenzene	18.59	91	6367076	10.595	ppbv	99
71) 2-Chlorotoluene	15.48	91	4633742	11.119	ppbv	100
72) 4-Ethyltoluene	15.87	105	4935479	11.311	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	4551083	11.037	ppbv	97
74) 1,2,4-Trimethylbenzene	16.80	105	4750044	10.219	ppbv	96
75) 1,3-Dichlorobenzene	17.03	146	3159668	9.956	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	3205971	10.569	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	3098688	10.338	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1716573	10.380	ppbv	100
79) Naphthalene	22.25	128	5095675	11.494	ppbv	99
80) Naphthalene,2-methyl-	25.00	142	1676509	16.032	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	2561852	11.150	ppbv	100

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

