

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061920\
 Data File : VL035096.D
 Acq On : 19 Jun 2020 15:52
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 2:08:51 PM

Quant Time: Jun 20 01:35:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 01:35:54 2020
 QLast Update : Sat Jun 20 01:15:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1378942	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3250876	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3357652m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2621126	9.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	1602850	8.081	ppbv	100
3) Chlorodifluoromethane	2.94	51	1364278	8.644	ppbv	100
4) Chloromethane	3.09	50	783970	8.676	ppbv	100
5) Vinyl Chloride	3.21	62	766717	8.714	ppbv	100
6) Bromomethane	3.43	94	467343	8.871	ppbv	100
7) Chloroethane	3.52	64	282754	8.956	ppbv	100
8) Dichlorotetrafluoroethane	3.14	85	1762094	8.664	ppbv	100
9) Propene	2.96	41	574847	8.498	ppbv	100
10) Heptane	8.12	43	1565259	9.229	ppbv	100
11) Trichlorofluoromethane	3.91	101	1768550	8.766	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1241353	8.657	ppbv	100
13) Ethanol	3.56	45	150625	6.887	ppbv	99
14) Bromoethene	3.70	108	558777	9.414	ppbv	99
15) Acetone	3.81	43	1365694	7.505	ppbv	100
16) 1,3-Butadiene	3.28	39	699025	8.913	ppbv	100
17) tert-Butyl alcohol	4.26	59	1412605	8.750	ppbv	100
18) 1,1-Dichloroethene	4.26	96	581694	9.342	ppbv	100
19) Isopropyl Alcohol	3.93	45	980521	8.178	ppbv	100
20) Methylene Chloride	4.31	84	505560	8.398	ppbv	100
21) Allyl Chloride	4.38	41	971327	9.475	ppbv	100
22) trans-1,2-Dichloroethene	4.86	96	554753	9.092	ppbv	100
23) Vinyl Acetate	5.05	43	2016821	8.834	ppbv	100
24) 1,1-Dichloroethane	4.99	63	1559853	8.767	ppbv	100
25) Ethyl Acetate	5.66	43	2716380	8.891	ppbv	100
26) Hexane	5.67	57	1202583	9.072	ppbv	100
27) Carbon Disulfide	4.52	76	1468659	9.500	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1848298	9.181	ppbv	100
29) Chloroform	5.74	83	1898748	8.727	ppbv	100
30) Cyclohexane	7.13	84	1031989	10.036	ppbv	100
31) cis-1,2-Dichloroethene	5.53	61	1243289	9.577	ppbv	100
32) 1,1,1-Trichloroethane	6.50	97	1839356	9.352	ppbv	100
34) 2-Butanone	5.22	43	1747254	8.707	ppbv	100
35) Carbon Tetrachloride	7.01	117	1874759	9.150	ppbv	100
36) Benzene	6.89	78	2433955	9.097	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1477423	8.928	ppbv	100
38) Trichloroethene	7.84	130	951029	9.132	ppbv	100
39) 1,2-Dichloropropane	7.61	63	953557	8.896	ppbv	100
40) 1,4-Dioxane	7.83	88	342339	8.015	ppbv	# 99
41) Tetrahydrofuran	6.03	42	978192	9.290	ppbv	100
42) Bromodichloromethane	7.80	83	2031371	9.109	ppbv	100
43) Methyl Methacrylate	8.01	69	1113696	9.864	ppbv	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061920\
 Data File : VL035096.D
 Acq On : 19 Jun 2020 15:52
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 2:08:51 PM

Quant Time: Jun 20 01:35:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 01:15:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4180674	8.796	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1232055	10.870	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1453228	10.423	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	1020111	8.984	ppbv	100
48) Dibromochloromethane	10.32	129	1683902	9.666	ppbv	100
49) Bromoform	13.07	173	1467092	9.821	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2612411	9.132	ppbv	100
51) 2-Hexanone	10.14	43	2136669	9.572	ppbv #	100
52) Tetrachloroethene	11.24	164	860749	9.016	ppbv	100
53) Toluene	9.82	91	2813840	9.912	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1536197	9.231	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1261966	8.425	ppbv #	58
57) Chlorobenzene	12.17	112	2146583	8.142	ppbv	100
58) Ethyl Benzene	12.73	91	3735346	9.139	ppbv	100
59) m/p-Xylene	13.02	91	6218866m	17.254	ppbv	
60) o-Xylene	13.72	91	3085379	8.669	ppbv	100
61) Styrene	13.55	104	2198447	9.790	ppbv	100
62) Isopropylbenzene	14.70	105	4503067	8.489	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2169770	7.712	ppbv	100
64) n-propylbenzene	15.59	120	1199207	8.797	ppbv	100
65) tert-Butylbenzene	16.78	119	3885407	8.423	ppbv	100
66) Benzyl Chloride	17.02	91	1461563	9.557	ppbv	100
67) sec-Butylbenzene	17.33	105	5519219	8.396	ppbv	100
69) p-Isopropyltoluene	17.69	119	4544915	8.550	ppbv	100
70) n-Butylbenzene	18.59	91	4705521	8.330	ppbv	100
71) 2-Chlorotoluene	15.48	91	3511681	8.762	ppbv	100
72) 4-Ethyltoluene	15.87	105	3575736	8.997	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	3309621	8.587	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	3386577	8.048	ppbv	100
75) 1,3-Dichlorobenzene	17.03	146	1961180	7.906	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1959174	8.323	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1832124	7.885	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1505097	7.563	ppbv	100
79) Naphthalene	22.25	128	3304365	10.178	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	1555184	19.019	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1756351	8.875	ppbv	100

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

