

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL113018\
 Data File : VL032846.D
 Acq On : 30 Nov 2018 11:16
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 4:14:55 PM

Quant Time: Dec 01 02:30:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 1
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1427537	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3709097	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3808444	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2819895	9.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	1883525	9.179	ppbv 98
3) Chlorodifluoromethane	3.02	51	1070626	9.460	ppbv 99
4) Chloromethane	3.17	50	560007	8.924	ppbv 98
5) Vinyl Chloride	3.30	62	587743	8.839	ppbv 96
6) Bromomethane	3.52	94	396532	9.748	ppbv 90
7) Chloroethane	3.61	64	230469	9.616	ppbv 97
8) Dichlorotetrafluoroethane	3.22	85	1509010	9.332	ppbv 98
9) Propene	3.04	41	413925	9.139	ppbv 100
10) Heptane	8.26	43	1762798	10.195	ppbv 100
11) Trichlorofluoromethane	4.01	101	2374393	12.278	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1677211	10.618	ppbv 96
13) Ethanol	3.66	45	107572	7.251	ppbv 97
14) Bromoethene	3.80	108	523742	9.994	ppbv 100
15) Acetone	3.91	43	1106891	8.491	ppbv 100
16) 1,3-Butadiene	3.37	39	503572	9.975	ppbv 96
17) tert-Butyl alcohol	4.36	59	442963	10.834	ppbv 99
18) 1,1-Dichloroethene	4.36	96	790524	10.178	ppbv 94
19) Isopropyl Alcohol	4.03	45	1067241	12.289	ppbv 99
20) Methylene Chloride	4.42	84	706500	10.468	ppbv 98
21) Allyl Chloride	4.49	41	1109149	10.124	ppbv 98
22) trans-1,2-Dichloroethene	4.97	96	789415	10.408	ppbv 96
23) Vinyl Acetate	5.16	43	2316522	9.748	ppbv 99
24) 1,1-Dichloroethane	5.10	63	1839034	9.734	ppbv 99
25) Ethyl Acetate	5.78	43	2938778	9.672	ppbv 99
26) Hexane	5.79	57	1359413	10.051	ppbv 99
27) Carbon Disulfide	4.63	76	1900740	11.083	ppbv 100
28) Methyl tert-Butyl Ether	5.12	73	2270401	10.526	ppbv 99
29) Chloroform	5.86	83	2464878	10.225	ppbv 97
30) Cyclohexane	7.26	84	1223682	10.344	ppbv 99
31) cis-1,2-Dichloroethene	5.65	61	1400537	10.299	ppbv 99
32) 1,1,1-Trichloroethane	6.63	97	2506407	9.485	ppbv 100
34) 2-Butanone	5.34	43	1841457	9.572	ppbv 99
35) Carbon Tetrachloride	7.15	117	2759229	9.254	ppbv 99
36) Benzene	7.02	78	2879300	9.748	ppbv 97
37) 1,2-Dichloroethane	6.42	62	1912526	9.619	ppbv 99
38) Trichloroethene	7.97	130	1209047	10.115	ppbv 97
39) 1,2-Dichloropropane	7.75	63	1071179	9.519	ppbv 97
40) 1,4-Dioxane	7.96	88	409078	10.178	ppbv 87
41) Tetrahydrofuran	6.16	42	1096516	9.937	ppbv 99
42) Bromodichloromethane	7.93	83	2640329	9.796	ppbv 97
43) Methyl Methacrylate	8.15	69	1148522	10.416	ppbv 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL113018\
 Data File : VL032846.D
 Acq On : 30 Nov 2018 11:16
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 4:14:55 PM

Quant Time: Dec 01 02:30:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4871937	9.871	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1726304	11.667	ppbv	97
46) cis-1,3-Dichloropropene	8.85	75	1934684	10.823	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	1333155	10.019	ppbv	95
48) Dibromochloromethane	10.46	129	2339725	10.345	ppbv	100
49) Bromoform	13.22	173	2020804	10.819	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	2846185	9.472	ppbv	100
51) 2-Hexanone	10.28	43	2085087	10.771	ppbv #	99
52) Tetrachloroethene	11.38	164	1075586	10.468	ppbv	99
53) Toluene	9.96	91	3387261	10.993	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1939101	10.309	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.29	131	1635270	9.206	ppbv	98
57) Chlorobenzene	12.31	112	2670619	9.161	ppbv	99
58) Ethyl Benzene	12.88	91	4636610	10.116	ppbv	98
59) m/p-Xylene	13.14	91	7929400m	19.434	ppbv	
60) o-Xylene	13.87	91	3836484	9.351	ppbv	99
61) Styrene	13.70	104	2839072	10.630	ppbv	99
62) Isopropylbenzene	14.84	105	5514294	9.944	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	2664048	8.330	ppbv	100
64) n-propylbenzene	15.74	120	1395026	9.564	ppbv	97
65) tert-Butylbenzene	16.92	119	4894666	9.847	ppbv	99
66) Benzyl Chloride	17.17	91	2716106	9.883	ppbv	100
67) sec-Butylbenzene	17.47	105	6851326	9.564	ppbv	99
69) p-Isopropyltoluene	17.83	119	5573854	9.785	ppbv	99
70) n-Butylbenzene	18.73	91	5521446	9.546	ppbv	99
71) 2-Chlorotoluene	15.63	91	4064875	9.829	ppbv	99
72) 4-Ethyltoluene	16.01	105	4460786	9.920	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	4245979	9.657	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	4347527	9.240	ppbv #	92
75) 1,3-Dichlorobenzene	17.18	146	2433591	9.018	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	2362304	9.371	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	2339660	9.371	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	1387615	10.298	ppbv	99
79) Naphthalene	22.43	128	3066402	9.921	ppbv	98
80) Naphthalene, 2-methyl-	25.13	142	790464	10.212	ppbv	98
81) 1,2,4-Trichlorobenzene	22.15	180	1575233	10.149	ppbv	99

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

