

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100318\
 Data File : VL032582.D
 Acq On : 3 Oct 2018 15:45
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 10/4/2018 7:07:03 PM

Quant Time: Oct 03 16:16:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 0
 QLast Update : Mon Oct 01 06:49:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1369114	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.33	114	3202431	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.28	117	3501078m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2493083	9.44	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.09	85	1046219	8.262	ppbv	98
3) Chlorodifluoromethane	3.03	51	1104603	9.702	ppbv	98
4) Chloromethane	3.19	50	626374	9.435	ppbv	97
5) Vinyl Chloride	3.31	62	655474	9.771	ppbv	98
6) Bromomethane	3.53	94	391887	10.682	ppbv	99
7) Chloroethane	3.62	64	242453	10.144	ppbv	98
8) Dichlorotetrafluoroethane	3.24	85	1461444	10.563	ppbv	98
9) Propene	3.05	41	460844	9.329	ppbv	99
10) Heptane	8.28	43	1859063	10.260	ppbv	97
11) Trichlorofluoromethane	4.02	101	1564650	10.394	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.58	101	1116345	9.072	ppbv	100
13) Ethanol	3.67	45	137389	9.253	ppbv	94
14) Bromoethene	3.81	108	471225	10.792	ppbv	99
15) Acetone	3.92	43	1132951	9.427	ppbv	99
16) 1,3-Butadiene	3.38	39	480662	9.862	ppbv	94
17) tert-Butyl alcohol	4.38	59	116086	7.687	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	517330	8.977	ppbv	98
19) Isopropyl Alcohol	4.04	45	871036	10.405	ppbv	99
20) Methylene Chloride	4.43	84	474919	8.161	ppbv	99
21) Allyl Chloride	4.50	41	914353	9.309	ppbv	98
22) trans-1,2-Dichloroethene	4.98	96	630681	11.612	ppbv	95
23) Vinyl Acetate	5.18	43	2231669	10.509	ppbv	99
24) 1,1-Dichloroethane	5.12	63	1747086	9.879	ppbv	100
25) Ethyl Acetate	5.80	43	2877169	9.866	ppbv	100
26) Hexane	5.80	57	1341629	10.185	ppbv	100
27) Carbon Disulfide	4.64	76	1400451	9.890	ppbv	99
28) Methyl tert-Butyl Ether	5.14	73	1808379	11.021	ppbv	98
29) Chloroform	5.88	83	2071180	10.248	ppbv	99
30) Cyclohexane	7.28	84	1168649	10.896	ppbv	96
31) cis-1,2-Dichloroethene	5.67	61	1363247	10.867	ppbv	99
32) 1,1,1-Trichloroethane	6.65	97	2167014	10.061	ppbv	98
34) 2-Butanone	5.35	43	1845541	9.678	ppbv	98
35) Carbon Tetrachloride	7.16	117	2215602	9.956	ppbv	97
36) Benzene	7.04	78	2846346	10.998	ppbv	99
37) 1,2-Dichloroethane	6.44	62	1677480	10.755	ppbv	99
38) Trichloroethene	7.99	130	1067789	10.779	ppbv	98
39) 1,2-Dichloropropane	7.77	63	1162712	9.969	ppbv	97
40) 1,4-Dioxane	7.98	88	405515	11.340	ppbv	71
41) Tetrahydrofuran	6.17	42	1107909	10.693	ppbv	94
42) Bromodichloromethane	7.95	83	2429229	10.396	ppbv	98
43) Methyl Methacrylate	8.16	69	1217014	11.257	ppbv	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100318\
 Data File : VL032582.D
 Acq On : 3 Oct 2018 15:45
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 10/4/2018 7:07:03 PM

Quant Time: Oct 03 16:16:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 0
 QLast Update : Mon Oct 01 06:49:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	5087474	10.058	ppbv	99
45) t-1,3-Dichloropropene	9.45	75	1669324	12.413	ppbv	99
46) cis-1,3-Dichloropropene	8.87	75	1787167	11.329	ppbv	98
47) 1,1,2-Trichloroethane	9.65	97	1297657	10.018	ppbv	98
48) Dibromochloromethane	10.49	129	2211159	10.856	ppbv	99
49) Bromoform	13.24	173	1716580	11.029	ppbv	99
50) 4-Methyl-2-Pentanone	8.90	43	2894806	9.657	ppbv	99
51) 2-Hexanone	10.30	43	2644695	10.668	ppbv #	99
52) Tetrachloroethene	11.41	164	930667	10.328	ppbv	97
53) Toluene	9.98	91	3555054	11.272	ppbv	100
54) 1,2-Dibromoethane	10.79	107	1963404	10.657	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.31	131	1569233	9.971	ppbv #	56
57) Chlorobenzene	12.34	112	2711495	9.614	ppbv	99
58) Ethyl Benzene	12.90	91	4505358	10.609	ppbv	98
59) m/p-Xylene	13.18	91	7528677m	19.925	ppbv	
60) o-Xylene	13.88	91	3658836	9.946	ppbv	100
61) Styrene	13.72	104	2697138	11.208	ppbv	99
62) Isopropylbenzene	14.86	105	5145853	9.891	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.87	83	2775420	8.492	ppbv	99
64) n-propylbenzene	15.76	120	1335862	9.995	ppbv	97
65) tert-Butylbenzene	16.94	119	4378481	9.819	ppbv	99
66) Benzyl Chloride	17.19	91	2819154	10.969	ppbv	100
67) sec-Butylbenzene	17.49	105	6417292	9.679	ppbv	100
69) p-Isopropyltoluene	17.85	119	5166939	10.090	ppbv	100
70) n-Butylbenzene	18.75	91	5682842	10.160	ppbv	99
71) 2-Chlorotoluene	15.65	91	4093831	10.331	ppbv	99
72) 4-Ethyltoluene	16.03	105	4226278	10.584	ppbv	99
73) 1,3,5-Trimethylbenzene	16.19	105	4039586	10.410	ppbv	99
74) 1,2,4-Trimethylbenzene	16.96	105	4100615	9.814	ppbv	93
75) 1,3-Dichlorobenzene	17.20	146	2301095	8.925	ppbv	100
76) 1,4-Dichlorobenzene	17.34	146	2297308	9.731	ppbv	100
77) 1,2-Dichlorobenzene	18.02	146	2283197	9.416	ppbv	99
78) Hexachloro-1,3-Butadiene	23.58	225	1390056m	15.275	ppbv	
79) Naphthalene	22.45	128	3684209	12.226	ppbv	100
80) Naphthalene, 2-methyl-	25.14	142	1395668	19.727	ppbv	99
81) 1,2,4-Trichlorobenzene	22.17	180	1748739	11.322	ppbv	100

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

