

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092718\
 Data File : VL032580.D
 Acq On : 28 Sep 2018 12:31
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:58:05 AM

Quant Time: Sep 29 00:06:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 2
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1349639	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.33	114	3124931	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	3398546	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2413880	9.42	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.20%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.09	85	1075693	8.617	ppbv	99
3) Chlorodifluoromethane	3.03	51	1077103	9.597	ppbv	99
4) Chloromethane	3.19	50	597573	9.131	ppbv	100
5) Vinyl Chloride	3.31	62	597138	9.030	ppbv	97
6) Bromomethane	3.53	94	353872	9.785	ppbv	99
7) Chloroethane	3.62	64	221027	9.381	ppbv	100
8) Dichlorotetrafluoroethane	3.24	85	1360806	9.977	ppbv	99
9) Propene	3.05	41	527524	10.833	ppbv	99
10) Heptane	8.28	43	1783640	9.986	ppbv	96
11) Trichlorofluoromethane	4.03	101	1474512	9.936	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.58	101	1391347	11.470	ppbv	97
13) Ethanol	3.67	45	141947	9.698	ppbv	98
14) Bromoethene	3.81	108	442585	10.282	ppbv	99
15) Acetone	3.92	43	1217878	10.280	ppbv	100
16) 1,3-Butadiene	3.38	39	459639	9.567	ppbv	98
17) tert-Butyl alcohol	4.38	59	205642	13.814	ppbv #	100
18) 1,1-Dichloroethene	4.38	96	661758	11.649	ppbv	97
19) Isopropyl Alcohol	4.04	45	820401	9.942	ppbv	99
20) Methylene Chloride	4.43	84	595962	10.388	ppbv	97
21) Allyl Chloride	4.50	41	1137972	11.753	ppbv	98
22) trans-1,2-Dichloroethene	4.99	96	588865	10.998	ppbv	96
23) Vinyl Acetate	5.18	43	1989839	9.505	ppbv	98
24) 1,1-Dichloroethane	5.12	63	1547832	8.879	ppbv	99
25) Ethyl Acetate	5.80	43	2751696	9.572	ppbv	100
26) Hexane	5.81	57	1300230	10.014	ppbv	99
27) Carbon Disulfide	4.64	76	1593152	11.413	ppbv	99
28) Methyl tert-Butyl Ether	5.14	73	1660386	10.265	ppbv	98
29) Chloroform	5.88	83	1992711	10.002	ppbv	99
30) Cyclohexane	7.28	84	1119426	10.588	ppbv	97
31) cis-1,2-Dichloroethene	5.67	61	1281545	10.363	ppbv	99
32) 1,1,1-Trichloroethane	6.65	97	2059458	9.700	ppbv	99
34) 2-Butanone	5.35	43	1849266	9.938	ppbv	99
35) Carbon Tetrachloride	7.17	117	2129859	9.809	ppbv	97
36) Benzene	7.04	78	2621859	10.382	ppbv	99
37) 1,2-Dichloroethane	6.44	62	1602792	10.531	ppbv	98
38) Trichloroethene	7.99	130	1019004	10.542	ppbv	99
39) 1,2-Dichloropropane	7.77	63	1100755	9.672	ppbv	97
40) 1,4-Dioxane	7.99	88	344772	9.880	ppbv #	1
41) Tetrahydrofuran	6.18	42	1059739	10.482	ppbv	96
42) Bromodichloromethane	7.95	83	2317200	10.162	ppbv	99
43) Methyl Methacrylate	8.17	69	1129636	10.708	ppbv	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092718\
 Data File : VL032580.D
 Acq On : 28 Sep 2018 12:31
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:58:05 AM

Quant Time: Sep 29 00:06:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 2
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.03	57	4868793	9.865	ppbv	99
45) t-1,3-Dichloropropene	9.45	75	1543490	11.762	ppbv	99
46) cis-1,3-Dichloropropene	8.87	75	1610038	10.460	ppbv	99
47) 1,1,2-Trichloroethane	9.65	97	1222343	9.670	ppbv	99
48) Dibromochloromethane	10.49	129	2053982	10.334	ppbv	100
49) Bromoform	13.24	173	1575734	10.375	ppbv	99
50) 4-Methyl-2-Pentanone	8.90	43	2767526	9.461	ppbv	99
51) 2-Hexanone	10.31	43	2512507	10.386	ppbv	100
52) Tetrachloroethene	11.41	164	859228	9.772	ppbv	99
53) Toluene	9.98	91	3385663	11.001	ppbv	100
54) 1,2-Dibromoethane	10.80	107	1848171	10.280	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.32	131	1374750	8.999	ppbv #	61
57) Chlorobenzene	12.34	112	2374803	8.674	ppbv	97
58) Ethyl Benzene	12.90	91	4228551	10.257	ppbv	99
59) m/p-Xylene	13.18	91	7063292m	19.257	ppbv	
60) o-Xylene	13.89	91	3468612	9.713	ppbv	100
61) Styrene	13.72	104	2502030	10.711	ppbv	99
62) Isopropylbenzene	14.86	105	4822305	9.549	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.87	83	2572504	8.109	ppbv	99
64) n-propylbenzene	15.76	120	1240147	9.558	ppbv	96
65) tert-Butylbenzene	16.95	119	4073597	9.411	ppbv	98
66) Benzyl Chloride	17.19	91	2456890	9.848	ppbv	100
67) sec-Butylbenzene	17.49	105	6012423	9.342	ppbv	99
69) p-Isopropyltoluene	17.85	119	4774336m	9.605	ppbv	
70) n-Butylbenzene	18.75	91	5168562	9.519	ppbv	99
71) 2-Chlorotoluene	15.65	91	3777739	9.821	ppbv	99
72) 4-Ethyltoluene	16.04	105	3929336	10.137	ppbv	99
73) 1,3,5-Trimethylbenzene	16.19	105	3736199	9.919	ppbv	99
74) 1,2,4-Trimethylbenzene	16.96	105	3782155	9.325	ppbv	99
75) 1,3-Dichlorobenzene	17.20	146	2075534	8.293	ppbv	100
76) 1,4-Dichlorobenzene	17.34	146	2040672	8.905	ppbv	99
77) 1,2-Dichlorobenzene	18.03	146	2049587	8.708	ppbv	100
78) Hexachloro-1,3-Butadiene	23.58	225	1186768	13.435	ppbv	99
79) Naphthalene	22.45	128	3033376	10.370	ppbv	99
80) Naphthalene, 2-methyl-	25.14	142	916710	13.348	ppbv	98
81) 1,2,4-Trichlorobenzene	22.18	180	1446674	9.649	ppbv	100

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

