

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL060118\
 Data File : VL032046.D
 Acq On : 2 Jun 2018 9:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 6/4/2018 3:36:03 PM

Quant Time: Jun 03 14:18:24 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL053118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 01 02:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.87	49	1299152	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.41	114	2583332	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.37	117	2578745m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.70	95	1850802	9.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.90%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.15	85	1309389	8.38	ppbv	100
3) Chlorodifluoromethane	3.09	51	1233271	10.09	ppbv	98
4) Chloromethane	3.24	50	661666	10.67	ppbv	96
5) Vinyl Chloride	3.37	62	681450	9.90	ppbv	97
6) Bromomethane	3.59	94	481604	10.18	ppbv	97
7) Chloroethane	3.68	64	285767	9.75	ppbv	97
8) Dichlorotetrafluoroethane	3.29	85	1691241	9.93	ppbv	99
9) Propene	3.11	41	477350	11.96	ppbv	98
10) Heptane	8.37	43	1593576	11.26	ppbv	99
11) Trichlorofluoromethane	4.09	101	2464829	10.25	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.65	101	1984589	12.03	ppbv	100
13) Ethanol	3.73	45	134220	8.60	ppbv	99
14) Bromoethene	3.87	108	546587	9.43	ppbv	98
15) Acetone	3.99	43	1399662	8.93	ppbv	99
16) 1,3-Butadiene	3.44	39	606908	10.61	ppbv	92
17) tert-Butyl alcohol	4.45	59	929304	12.37	ppbv	100
18) 1,1-Dichloroethene	4.44	96	788128	10.99	ppbv	93
19) Isopropyl Alcohol	4.11	45	1190327	11.48	ppbv	99
20) Methylene Chloride	4.50	84	833884	11.72	ppbv	98
21) Allyl Chloride	4.57	41	1461424	13.24	ppbv	99
22) trans-1,2-Dichloroethene	5.06	96	922238	11.96	ppbv	97
23) Vinyl Acetate	5.25	43	2399344	11.31	ppbv	99
24) 1,1-Dichloroethane	5.19	63	2118264	10.26	ppbv	99
25) Ethyl Acetate	5.87	43	3212188	10.35	ppbv	100
26) Hexane	5.88	57	1503634	10.43	ppbv	98
27) Carbon Disulfide	4.72	76	2543467	13.46	ppbv	100
28) Methyl tert-Butyl Ether	5.21	73	2092820	11.72	ppbv	99
29) Chloroform	5.95	83	2392502	9.83	ppbv	100
30) Cyclohexane	7.36	84	993574	11.67	ppbv	97
31) cis-1,2-Dichloroethene	5.75	61	1427727	11.00	ppbv	95
32) 1,1,1-Trichloroethane	6.73	97	1992460	10.05	ppbv	99
34) 2-Butanone	5.43	43	2165178	10.66	ppbv	99
35) Carbon Tetrachloride	7.25	117	2026729	9.20	ppbv	100
36) Benzene	7.12	78	2443859	10.77	ppbv	98
37) 1,2-Dichloroethane	6.52	62	1643420	10.03	ppbv	99
38) Trichloroethene	8.08	130	1000185	11.48	ppbv	98
39) 1,2-Dichloropropane	7.86	63	904614	10.81	ppbv	99
40) 1,4-Dioxane	8.08	88	366882	10.19	ppbv #	1
41) Tetrahydrofuran	6.26	42	974081m	11.16	ppbv	
42) Bromodichloromethane	8.04	83	2090937	10.22	ppbv	94
43) Methyl Methacrylate	8.25	69	926154	11.72	ppbv	98

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL060118\
 Data File : VL032046.D
 Acq On : 2 Jun 2018 9:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 6/4/2018 3:36:03 PM

Quant Time: Jun 03 14:18:24 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL053118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 01 02:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.11	57	4095597	10.54	ppbv	99
45) t-1,3-Dichloropropene	9.54	75	1327233	12.42	ppbv	100
46) cis-1,3-Dichloropropene	8.96	75	1624749	11.97	ppbv	98
47) 1,1,2-Trichloroethane	9.74	97	995102	9.63	ppbv	94
48) Dibromochloromethane	10.58	129	1719242	10.05	ppbv	99
49) Bromoform	13.33	173	1351123	10.06	ppbv	99
50) 4-Methyl-2-Pentanone	8.99	43	2125657	10.76	ppbv	100
51) 2-Hexanone	10.39	43	1965640	11.09	ppbv #	100
52) Tetrachloroethene	11.50	164	914399	10.15	ppbv	99
53) Toluene	10.07	91	2805279	11.05	ppbv	100
54) 1,2-Dibromoethane	10.89	107	1522908	10.07	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.41	131	1167118	9.38	ppbv	98
57) Chlorobenzene	12.43	112	2175854	9.24	ppbv	98
58) Ethyl Benzene	12.99	91	3883487	10.71	ppbv	98
59) m/p-Xylene	13.28	91	6417326m	20.19	ppbv	
60) o-Xylene	13.98	91	3249387	10.19	ppbv	99
61) Styrene	13.81	104	782585	12.70	ppbv	99
62) Isopropylbenzene	14.95	105	4075009	10.02	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.96	83	2116391	8.57	ppbv	99
64) n-propylbenzene	15.85	120	1028630	10.13	ppbv	99
65) tert-Butylbenzene	17.03	119	3524669	9.92	ppbv	100
66) Benzyl Chloride	17.29	91	366025	9.27	ppbv	96
67) sec-Butylbenzene	17.58	105	4961236	9.62	ppbv	100
69) p-Isopropyltoluene	17.94	119	4031230	10.09	ppbv	99
70) n-Butylbenzene	18.84	91	4107314	9.98	ppbv	100
71) 2-Chlorotoluene	15.75	91	3107298	10.40	ppbv	99
72) 4-Ethyltoluene	16.12	105	3444434	10.86	ppbv	99
73) 1,3,5-Trimethylbenzene	16.28	105	3053765	10.43	ppbv	100
74) 1,2,4-Trimethylbenzene	17.05	105	3223772	9.77	ppbv	96
75) 1,3-Dichlorobenzene	17.30	146	2019318	8.91	ppbv	99
76) 1,4-Dichlorobenzene	17.44	146	2038712	9.44	ppbv	99
77) 1,2-Dichlorobenzene	18.12	146	1957005	9.13	ppbv	100
78) Hexachloro-1,3-Butadiene	23.66	225	722033	8.49	ppbv	99
79) Naphthalene	22.56	128	2333168	12.49	ppbv	99
80) Naphthalene, 2-methyl-	25.21	142	1190491	25.84	ppbv	100
81) 1,2,4-Trichlorobenzene	22.28	180	1208879	11.03	ppbv	99

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

