

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031424.D
 Acq On : 22 Jan 2018 20:34
 Operator : SY/AP
 Sample : VL0122ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0122ABS01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2018 5:10:17 PM

Quant Time: Jan 23 06:34:05 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 22 2018
 QLast Update : Mon Jan 22 17:52:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1267903	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	2919770	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3160028m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.75	95	2495853	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.18	85	2223172	12.39	ppbv	97
3) Chlorodifluoromethane	3.11	51	1263009	7.53	ppbv	99
4) Chloromethane	3.27	50	666351	8.90	ppbv	99
5) Vinyl Chloride	3.40	62	684596	9.51	ppbv	99
6) Bromomethane	3.62	94	483241	9.15	ppbv	100
7) Chloroethane	3.71	64	278576	9.06	ppbv	100
8) Dichlorotetrafluoroethane	3.32	85	1802661	9.02	ppbv	100
9) Propene	3.13	41	543481	9.25	ppbv	100
10) Heptane	8.41	43	1667824	9.12	ppbv	99
11) Trichlorofluoromethane	4.13	101	2127698	8.79	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.68	101	1374053	9.06	ppbv	100
13) Ethanol	3.76	45	140275	7.94	ppbv	99
14) Bromoethene	3.90	108	569255	9.39	ppbv	99
15) Acetone	4.02	43	1399301	8.29	ppbv	99
16) 1,3-Butadiene	3.47	39	611963	8.63	ppbv	97
17) tert-Butyl alcohol	4.48	59	564371	6.87	ppbv	99
18) 1,1-Dichloroethene	4.48	96	617548	9.45	ppbv	94
19) Isopropyl Alcohol	4.14	45	870382	8.26	ppbv #	99
20) Methylene Chloride	4.54	84	557078	8.50	ppbv	99
21) Allyl Chloride	4.60	41	989866	9.77	ppbv	99
22) trans-1,2-Dichloroethene	5.10	96	646115	9.42	ppbv	97
23) Vinyl Acetate	5.29	43	1863907	9.13	ppbv	99
24) 1,1-Dichloroethane	5.23	63	1605808	9.02	ppbv	99
25) Ethyl Acetate	5.91	43	2671870	8.88	ppbv	100
26) Hexane	5.92	57	1193276	8.92	ppbv	100
27) Carbon Disulfide	4.75	76	1728982	9.83	ppbv	99
28) Methyl tert-Butyl Ether	5.25	73	1465172	9.23	ppbv	100
29) Chloroform	5.99	83	2016139	8.73	ppbv	100
30) Cyclohexane	7.40	84	971474	9.49	ppbv	99
31) cis-1,2-Dichloroethene	5.78	61	1187620	9.38	ppbv	96
32) 1,1,1-Trichloroethane	6.77	97	2090879	9.30	ppbv	99
34) 2-Butanone	5.47	43	1759866	9.52	ppbv	99
35) Carbon Tetrachloride	7.29	117	2255364	9.54	ppbv	97
36) Benzene	7.16	78	2373047	9.14	ppbv	98
37) 1,2-Dichloroethane	6.56	62	1808883	8.98	ppbv	99
38) Trichloroethene	8.13	130	1017480	10.08	ppbv	98
39) 1,2-Dichloropropane	7.90	63	903716	9.27	ppbv	97
40) 1,4-Dioxane	8.12	88	359507	9.03	ppbv #	1
41) Tetrahydrofuran	6.30	42	915232	8.97	ppbv	99
42) Bromodichloromethane	8.08	83	2264677	9.37	ppbv	97
43) Methyl Methacrylate	8.30	69	959283	10.11	ppbv	99

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031424.D
 Acq On : 22 Jan 2018 20:34
 Operator : SY/AP
 Sample : VL0122ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABS01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2018 5:10:17 PM

Quant Time: Jan 23 06:34:05 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 22 2018
 QLast Update : Mon Jan 22 17:52:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	4113871	9.29	ppbv	99
45) t-1,3-Dichloropropene	9.58	75	1454076	10.69	ppbv	100
46) cis-1,3-Dichloropropene	9.00	75	1670932	10.01	ppbv	97
47) 1,1,2-Trichloroethane	9.78	97	1070598	9.34	ppbv	97
48) Dibromochloromethane	10.62	129	1964437	9.63	ppbv	100
49) Bromoform	13.38	173	1551063	9.99	ppbv	99
50) 4-Methyl-2-Pentanone	9.03	43	2304265	9.27	ppbv	99
51) 2-Hexanone	10.44	43	2288308	9.65	ppbv #	99
52) Tetrachloroethene	11.54	164	962449	9.87	ppbv	97
53) Toluene	10.12	91	3036307	9.91	ppbv	99
54) 1,2-Dibromoethane	10.93	107	1709858	9.59	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.45	131	1348716	8.99	ppbv	99
57) Chlorobenzene	12.48	112	2416666	8.84	ppbv	100
58) Ethyl Benzene	13.03	91	4345672	9.39	ppbv	100
59) m/p-Xylene	13.32	91	7163709m	18.08	ppbv	
60) o-Xylene	14.03	91	3676512	9.27	ppbv	99
61) Styrene	13.85	104	867642	10.07	ppbv	99
62) Isopropylbenzene	15.00	105	4520759	9.09	ppbv	100
63) 1,1,2,2-Tetrachloroethane	14.01	83	2409916	8.83	ppbv	100
64) n-propylbenzene	15.89	120	1132343	9.18	ppbv	98
65) tert-Butylbenzene	17.08	119	3986185	9.08	ppbv	100
66) Benzyl Chloride	17.32	91	552851	12.61	ppbv	98
67) sec-Butylbenzene	17.63	105	5642466	9.20	ppbv	100
69) p-Isopropyltoluene	17.99	119	4643010	9.43	ppbv	99
70) n-Butylbenzene	18.88	91	4805801	9.38	ppbv	100
71) 2-Chlorotoluene	15.79	91	3473069	9.26	ppbv	100
72) 4-Ethyltoluene	16.17	105	3782729	9.44	ppbv	99
73) 1,3,5-Trimethylbenzene	16.33	105	3364049	9.23	ppbv	99
74) 1,2,4-Trimethylbenzene	17.10	105	3626961	8.99	ppbv #	91
75) 1,3-Dichlorobenzene	17.34	146	2262924	9.02	ppbv	100
76) 1,4-Dichlorobenzene	17.48	146	2269804	9.24	ppbv	100
77) 1,2-Dichlorobenzene	18.16	146	2200217	9.06	ppbv	100
78) Hexachloro-1,3-Butadiene	23.71	225	604855	7.08	ppbv	99
79) Naphthalene	22.61	128	2408655	9.69	ppbv	99
80) Naphthalene, 2-methyl-	25.25	142	536931	7.74	ppbv	99
81) 1,2,4-Trichlorobenzene	22.34	180	1109336	8.35	ppbv	99

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

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
Data File : VL031424.D
Acq On : 22 Jan 2018 20:34
Operator : SY/AP
Sample : VL0122ABS01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0122ABS01

Manual Integrations APPROVED

MMDadoda
1/24/2018 5:10:17 PM

Quant Time: Jan 23 06:34:05 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan
QLast Update : Mon Jan 22 17:52:32 2018
Response via : Initial Calibration

