

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031418.D
 Acq On : 22 Jan 2018 15:25
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 1/24/2018 5:10:12 PM

Quant Time: Jan 22 17:03:22 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 16:42:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.90	49	1274666	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.44	114	3013476	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3073513	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2460937	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.17	85	119192	0.48	ppbv	96
3) Chlorodifluoromethane	3.11	51	95107	0.51	ppbv	100
4) Chloromethane	3.27	50	41458	0.49	ppbv	95
5) Vinyl Chloride	3.40	62	38540	0.44	ppbv	95
6) Bromomethane	3.62	94	27986	0.48	ppbv	96
7) Chloroethane	3.71	64	16718	0.49	ppbv #	82
8) Dichlorotetrafluoroethane	3.32	85	116743	0.52	ppbv	100
9) Propene	3.13	41	30517	0.44	ppbv	97
10) Heptane	8.40	43	91389	0.44	ppbv	99
11) Trichlorofluoromethane	4.13	101	139345	0.53	ppbv	90
12) 1,1,2-Trichlorotrifluoroet	4.68	101	83959	0.51	ppbv	100
13) Ethanol	3.77	45	11726	0.34	ppbv	89
14) Bromoethene	3.91	108	32915	0.48	ppbv	95
15) Acetone	4.03	43	100046	0.47	ppbv	99
16) 1,3-Butadiene	3.47	39	35630	0.45	ppbv	99
17) tert-Butyl alcohol	4.50	59	44590	0.46	ppbv	100
18) 1,1-Dichloroethene	4.48	96	35821	0.49	ppbv	86
19) Isopropyl Alcohol	4.15	45	58555	0.40	ppbv #	95
20) Methylene Chloride	4.54	84	40491	0.53	ppbv	82
21) Allyl Chloride	4.61	41	54855	0.48	ppbv	96
22) trans-1,2-Dichloroethene	5.09	96	38017m	0.49	ppbv	
23) Vinyl Acetate	5.29	43	113628	0.47	ppbv #	96
24) 1,1-Dichloroethane	5.22	63	97954	0.48	ppbv	99
25) Ethyl Acetate	5.92	43	158618	0.44	ppbv	98
26) Hexane	5.92	57	68812	0.46	ppbv	94
27) Carbon Disulfide	4.76	76	89871	0.45	ppbv #	85
28) Methyl tert-Butyl Ether	5.26	73	79486m	0.43	ppbv	
29) Chloroform	5.99	83	121697	0.47	ppbv	97
30) Cyclohexane	7.40	84	47022	0.39	ppbv	84
31) cis-1,2-Dichloroethene	5.78	61	61446	0.42	ppbv	96
32) 1,1,1-Trichloroethane	6.77	97	122259	0.45	ppbv	97
34) 2-Butanone	5.48	43	97018	0.39	ppbv	99
35) Carbon Tetrachloride	7.29	117	129162	0.45	ppbv	99
36) Benzene	7.16	78	135906	0.44	ppbv	98
37) 1,2-Dichloroethane	6.55	62	109640	0.48	ppbv	100
38) Trichloroethene	8.11	130	56484m	0.44	ppbv	
39) 1,2-Dichloropropane	7.90	63	52744m	0.46	ppbv	
40) 1,4-Dioxane	8.15	88	22964m	0.40	ppbv	
41) Tetrahydrofuran	6.32	42	48882m	0.38	ppbv	
42) Bromodichloromethane	8.07	83	130176	0.46	ppbv	89
43) Methyl Methacrylate	8.30	69	45842	0.39	ppbv	98

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031418.D
 Acq On : 22 Jan 2018 15:25
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 1/24/2018 5:10:12 PM

Quant Time: Jan 22 17:03:22 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 16:42:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	234076	0.45	ppbv	96
45) t-1,3-Dichloropropene	9.58	75	59774	0.37	ppbv	95
46) cis-1,3-Dichloropropene	9.00	75	79840	0.40	ppbv	97
47) 1,1,2-Trichloroethane	9.78	97	61599	0.45	ppbv	93
48) Dibromochloromethane	10.62	129	106579	0.44	ppbv	99
49) Bromoform	13.37	173	80590m	0.43	ppbv	
50) 4-Methyl-2-Pentanone	9.05	43	118888	0.36	ppbv	98
51) 2-Hexanone	10.46	43	111271	0.33	ppbv #	98
52) Tetrachloroethene	11.54	164	55798	0.45	ppbv	87
53) Toluene	10.11	91	146794	0.40	ppbv	98
54) 1,2-Dibromoethane	10.93	107	92917	0.44	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.45	131	78204m	0.49	ppbv	
57) Chlorobenzene	12.47	112	139114	0.48	ppbv	98
58) Ethyl Benzene	13.03	91	215672	0.43	ppbv	96
59) m/p-Xylene	13.31	91	394052m	0.95	ppbv	
60) o-Xylene	14.02	91	185184	0.44	ppbv	99
61) Styrene	13.85	104	33753	0.36	ppbv	99
62) Isopropylbenzene	15.00	105	240744	0.45	ppbv	99
63) 1,1,2,2-Tetrachloroethane	14.00	83	143943	0.45	ppbv	98
64) n-propylbenzene	15.89	120	59504	0.44	ppbv	91
65) tert-Butylbenzene	17.08	119	210905	0.45	ppbv	94
66) Benzyl Chloride	17.32	91	19529m	0.44	ppbv	
67) sec-Butylbenzene	17.63	105	295083	0.44	ppbv	100
69) p-Isopropyltoluene	17.98	119	228472	0.43	ppbv	98
70) n-Butylbenzene	18.88	91	236258	0.42	ppbv	100
71) 2-Chlorotoluene	15.79	91	176138m	0.43	ppbv	
72) 4-Ethyltoluene	16.17	105	181362	0.42	ppbv	98
73) 1,3,5-Trimethylbenzene	16.32	105	169448	0.44	ppbv	98
74) 1,2,4-Trimethylbenzene	17.09	105	198773	0.47	ppbv	94
75) 1,3-Dichlorobenzene	17.33	146	130986	0.49	ppbv	94
76) 1,4-Dichlorobenzene	17.48	146	124335	0.46	ppbv	99
77) 1,2-Dichlorobenzene	18.16	146	123181	0.46	ppbv	99
78) Hexachloro-1,3-Butadiene	23.70	225	43164m	0.50	ppbv	
79) Naphthalene	22.62	128	103337	0.51	ppbv	99
80) Naphthalene, 2-methyl-	25.25	142	25710	0.51	ppbv	94
81) 1,2,4-Trichlorobenzene	22.34	180	62912	0.53	ppbv	99

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

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
Data File : VL031418.D
Acq On : 22 Jan 2018 15:25
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

MMDadoda
1/24/2018 5:10:12 PM

Quant Time: Jan 22 17:03:22 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 16:42:46 2018
Response via : Initial Calibration

