

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041918\
 Data File : VL031899.D
 Acq On : 20 Apr 2018 14:32
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

sam
 4/23/2018 12:50:54 PM

Quant Time: Apr 21 03:21:08 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018
 QLast Update : Fri Apr 13 16:50:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1232329	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2821835	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2966466m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.72	95	2327620	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.16	85	2090654	8.23	ppbv	100
3) Chlorodifluoromethane	3.10	51	1359584	9.49	ppbv	100
4) Chloromethane	3.26	50	701727	9.59	ppbv	95
5) Vinyl Chloride	3.38	62	732844	8.90	ppbv	100
6) Bromomethane	3.60	94	515109	9.51	ppbv	99
7) Chloroethane	3.69	64	316756	9.64	ppbv	91
8) Dichlorotetrafluoroethane	3.31	85	1873456	8.98	ppbv	100
9) Propene	3.12	41	506124	10.21	ppbv	100
10) Heptane	8.39	43	1682015	10.46	ppbv	100
11) Trichlorofluoromethane	4.11	101	2285234	9.17	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.66	101	1402162	8.66	ppbv	100
13) Ethanol	3.75	45	148240	8.81	ppbv	99
14) Bromoethene	3.88	108	580349	9.50	ppbv	99
15) Acetone	4.00	43	1485705	7.83	ppbv	99
16) 1,3-Butadiene	3.45	39	709745	10.11	ppbv	98
17) tert-Butyl alcohol	4.46	59	720472	9.19	ppbv	99
18) 1,1-Dichloroethene	4.46	96	635266	9.13	ppbv	94
19) Isopropyl Alcohol	4.12	45	1006663	9.50	ppbv	99
20) Methylene Chloride	4.51	84	596292	8.63	ppbv	99
21) Allyl Chloride	4.59	41	1013489	9.35	ppbv	99
22) trans-1,2-Dichloroethene	5.08	96	666308	9.24	ppbv	94
23) Vinyl Acetate	5.27	43	1934788	10.06	ppbv	99
24) 1,1-Dichloroethane	5.21	63	1715916	8.96	ppbv	99
25) Ethyl Acetate	5.89	43	2836407	9.59	ppbv	100
26) Hexane	5.90	57	1344929	9.75	ppbv	100
27) Carbon Disulfide	4.73	76	1795910	10.03	ppbv	99
28) Methyl tert-Butyl Ether	5.23	73	1597072	9.41	ppbv	99
29) Chloroform	5.97	83	2139080	9.15	ppbv	100
30) Cyclohexane	7.38	84	1024512	10.40	ppbv	99
31) cis-1,2-Dichloroethene	5.76	61	1267062	10.14	ppbv	99
32) 1,1,1-Trichloroethane	6.75	97	2110617	9.27	ppbv	100
34) 2-Butanone	5.44	43	1721839	8.80	ppbv	99
35) Carbon Tetrachloride	7.27	117	2201128	8.98	ppbv	99
36) Benzene	7.14	78	2531499	9.97	ppbv	98
37) 1,2-Dichloroethane	6.54	62	1790943	9.48	ppbv	100
38) Trichloroethene	8.10	130	1025249	9.95	ppbv	98
39) 1,2-Dichloropropane	7.87	63	907988	9.62	ppbv	98
40) 1,4-Dioxane	8.09	88	378915	9.89	ppbv	89
41) Tetrahydrofuran	6.27	42	905316	9.99	ppbv	99
42) Bromodichloromethane	8.06	83	2221117	9.83	ppbv	98
43) Methyl Methacrylate	8.27	69	949254	10.63	ppbv	100

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041918\
 Data File : VL031899.D
 Acq On : 20 Apr 2018 14:32
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

sam
 4/23/2018 12:50:54 PM

Quant Time: Apr 21 03:21:08 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 2018
 QLast Update : Fri Apr 13 16:50:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.13	57	4294760	9.82	ppbv	99
45) t-1,3-Dichloropropene	9.56	75	1341540	11.58	ppbv	99
46) cis-1,3-Dichloropropene	8.98	75	1661009	11.22	ppbv	95
47) 1,1,2-Trichloroethane	9.76	97	1077118	9.61	ppbv	96
48) Dibromochloromethane	10.60	129	1825142	10.07	ppbv	99
49) Bromoform	13.35	173	1416841	10.15	ppbv	99
50) 4-Methyl-2-Pentanone	9.01	43	2278242	10.17	ppbv	100
51) 2-Hexanone	10.41	43	2128950	10.87	ppbv #	100
52) Tetrachloroethene	11.52	164	959285	9.70	ppbv	97
53) Toluene	10.09	91	3028762	10.70	ppbv	100
54) 1,2-Dibromoethane	10.91	107	1636757	10.06	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.43	131	1259787	9.02	ppbv	98
57) Chlorobenzene	12.45	112	2347040	9.33	ppbv	99
58) Ethyl Benzene	13.01	91	4229454	10.27	ppbv	99
59) m/p-Xylene	13.30	91	6945031m	19.42	ppbv	
60) o-Xylene	14.00	91	3609741	10.10	ppbv	99
61) Styrene	13.83	104	812689	11.94	ppbv	99
62) Isopropylbenzene	14.97	105	4373650	9.52	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.98	83	2281932	8.30	ppbv	99
64) n-propylbenzene	15.87	120	1086096	9.73	ppbv	99
65) tert-Butylbenzene	17.05	119	3611481	9.14	ppbv	100
66) Benzyl Chloride	17.30	91	356683	10.02	ppbv	99
67) sec-Butylbenzene	17.61	105	5144789	9.04	ppbv	100
69) p-Isopropyltoluene	17.96	119	4058245	9.20	ppbv	99
70) n-Butylbenzene	18.86	91	4054435	8.83	ppbv	100
71) 2-Chlorotoluene	15.76	91	3252106	9.79	ppbv	99
72) 4-Ethyltoluene	16.15	105	3564390	9.75	ppbv	100
73) 1,3,5-Trimethylbenzene	16.30	105	3131507	9.36	ppbv	99
74) 1,2,4-Trimethylbenzene	17.07	105	3283473	8.79	ppbv	98
75) 1,3-Dichlorobenzene	17.31	146	2001594	8.74	ppbv	99
76) 1,4-Dichlorobenzene	17.46	146	2017746	9.08	ppbv	99
77) 1,2-Dichlorobenzene	18.14	146	1923877	8.53	ppbv	100
78) Hexachloro-1,3-Butadiene	23.68	225	1036943	11.98	ppbv	99
79) Naphthalene	22.58	128	2227037	10.60	ppbv	99
80) Naphthalene, 2-methyl-	25.23	142	655812	15.99	ppbv	99
81) 1,2,4-Trichlorobenzene	22.31	180	1101672	9.45	ppbv	100

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

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041918\
Data File : VL031899.D
Acq On : 20 Apr 2018 14:32
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010EC

Manual Integrations
APPROVED

sam
4/23/2018 12:50:54 PM

Quant Time: Apr 21 03:21:08 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration

