

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032357.D
 Acq On : 15 Aug 2018 18:29
 Operator : SY/AP
 Sample : VL0815ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/17/2018 2:06:39 PM

Quant Time: Aug 16 06:40:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	2443058	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.36	114	4799466	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	4921874m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.65	95	3718364	9.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.11	85	2249766	11.54	ppbv	98
3) Chlorodifluoromethane	3.05	51	2036675	9.00	ppbv	100
4) Chloromethane	3.21	50	1236939	9.18	ppbv	99
5) Vinyl Chloride	3.33	62	1122578	8.74	ppbv	95
6) Bromomethane	3.56	94	631861	9.18	ppbv	96
7) Chloroethane	3.64	64	411338	9.14	ppbv	98
8) Dichlorotetrafluoroethane	3.26	85	2377654	8.61	ppbv	100
9) Propene	3.07	41	956502	9.88	ppbv	99
10) Heptane	8.31	43	2873664	9.85	ppbv	99
11) Trichlorofluoromethane	4.05	101	2250936	8.24	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1585089	8.61	ppbv	99
13) Ethanol	3.69	45	251078	10.09	ppbv	97
14) Bromoethene	3.83	108	713309	8.96	ppbv	99
15) Acetone	3.95	43	1755428	7.56	ppbv	100
16) 1,3-Butadiene	3.40	39	967185	10.09	ppbv	86
17) tert-Butyl alcohol	4.41	59	343854	8.83	ppbv	100
18) 1,1-Dichloroethene	4.40	96	770615	8.99	ppbv	99
19) Isopropyl Alcohol	4.06	45	1378032	8.82	ppbv #	98
20) Methylene Chloride	4.46	84	685130	7.82	ppbv	94
21) Allyl Chloride	4.53	41	1361053	9.29	ppbv	100
22) trans-1,2-Dichloroethene	5.02	96	753277	8.71	ppbv	98
23) Vinyl Acetate	5.21	43	3517272	8.78	ppbv	99
24) 1,1-Dichloroethane	5.14	63	2512252	8.68	ppbv	99
25) Ethyl Acetate	5.82	43	4611522	9.27	ppbv	100
26) Hexane	5.84	57	2129274	9.60	ppbv	99
27) Carbon Disulfide	4.67	76	1982909	9.58	ppbv	100
28) Methyl tert-Butyl Ether	5.16	73	2672253	9.08	ppbv	99
29) Chloroform	5.91	83	3076430	9.47	ppbv	97
30) Cyclohexane	7.31	84	1641655	9.72	ppbv	100
31) cis-1,2-Dichloroethene	5.70	61	2100114	9.68	ppbv	99
32) 1,1,1-Trichloroethane	6.68	97	2847729	9.00	ppbv	100
34) 2-Butanone	5.38	43	3140772	9.62	ppbv	99
35) Carbon Tetrachloride	7.20	117	2856549	10.09	ppbv	98
36) Benzene	7.07	78	4197540	10.32	ppbv	99
37) 1,2-Dichloroethane	6.47	62	2311879	9.36	ppbv	100
38) Trichloroethene	8.03	130	1416603	9.93	ppbv	98
39) 1,2-Dichloropropane	7.80	63	1711547	10.07	ppbv	97
40) 1,4-Dioxane	8.02	88	559108	10.83	ppbv	93
41) Tetrahydrofuran	6.21	42	1832427	10.45	ppbv	99
42) Bromodichloromethane	7.98	83	3195577	9.89	ppbv	97
43) Methyl Methacrylate	8.20	69	1729954	10.67	ppbv	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032357.D
 Acq On : 15 Aug 2018 18:29
 Operator : SY/AP
 Sample : VL0815ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0815ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/17/2018 2:06:39 PM

Quant Time: Aug 16 06:40:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.05	57	7293604	9.94	ppbv	100
45) t-1,3-Dichloropropene	9.48	75	2343471	11.43	ppbv	98
46) cis-1,3-Dichloropropene	8.90	75	2801102	11.39	ppbv	99
47) 1,1,2-Trichloroethane	9.68	97	1794717	9.59	ppbv	97
48) Dibromochloromethane	10.52	129	2536987	10.14	ppbv	100
49) Bromoform	13.27	173	2114309	10.18	ppbv	100
50) 4-Methyl-2-Pentanone	8.94	43	4851767	10.28	ppbv	100
51) 2-Hexanone	10.34	43	3921356	11.84	ppbv #	98
52) Tetrachloroethene	11.44	164	1205238	10.04	ppbv	98
53) Toluene	10.01	91	4964722	11.13	ppbv	99
54) 1,2-Dibromoethane	10.83	107	2412899	10.04	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.35	131	1829455	8.99	ppbv	99
57) Chlorobenzene	12.37	112	3314778	8.95	ppbv	99
58) Ethyl Benzene	12.94	91	5992776	10.12	ppbv	100
59) m/p-Xylene	13.22	91	9784423m	19.45	ppbv	
60) o-Xylene	13.92	91	4783603	9.68	ppbv	100
61) Styrene	13.76	104	3750277	10.85	ppbv	99
62) Isopropylbenzene	14.90	105	6700951	9.52	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.91	83	3634191	8.74	ppbv	100
64) n-propylbenzene	15.79	120	1774673	9.74	ppbv	99
65) tert-Butylbenzene	16.98	119	5536485	9.21	ppbv	100
66) Benzyl Chloride	17.23	91	3653375	10.26	ppbv	99
67) sec-Butylbenzene	17.53	105	8340319	9.33	ppbv	99
69) p-Isopropyltoluene	17.89	119	6689693	9.78	ppbv	99
70) n-Butylbenzene	18.78	91	7416567	9.89	ppbv	100
71) 2-Chlorotoluene	15.69	91	5326548	9.78	ppbv	100
72) 4-Ethyltoluene	16.07	105	5579881	10.12	ppbv	99
73) 1,3,5-Trimethylbenzene	16.23	105	5246727	9.89	ppbv	96
74) 1,2,4-Trimethylbenzene	17.00	105	5252437	9.31	ppbv #	91
75) 1,3-Dichlorobenzene	17.24	146	2955577	8.71	ppbv	99
76) 1,4-Dichlorobenzene	17.38	146	3002669	9.35	ppbv	100
77) 1,2-Dichlorobenzene	18.06	146	2962126	9.14	ppbv	100
78) Hexachloro-1,3-Butadiene	23.61	225	909985	8.37	ppbv	100
79) Naphthalene	22.49	128	4957596	9.41	ppbv	99
80) Naphthalene,2-methyl-	25.17	142	2062216	18.31	ppbv	99
81) 1,2,4-Trichlorobenzene	22.22	180	2370436	10.86	ppbv	100

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
Data File : VL032357.D
Acq On : 15 Aug 2018 18:29
Operator : SY/AP
Sample : VL0815ABS01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0815ABS01

Manual Integrations
APPROVED

MMDadoda
8/17/2018 2:06:39 PM

Quant Time: Aug 16 06:40:06 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

