

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070518\
 Data File : VL032205.D
 Acq On : 5 Jul 2018 15:28
 Operator : SY/AP
 Sample : VL0705ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0705ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 10:47:31 AM

Quant Time: Jul 06 05:03:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 2
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1468695	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3857095	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	4198303m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.68	95	3175346	9.89	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.13	85	1763060	9.12	ppbv	98
3) Chlorodifluoromethane	3.07	51	1616462	9.01	ppbv	94
4) Chloromethane	3.23	50	922022	9.62	ppbv	99
5) Vinyl Chloride	3.35	62	905332	9.36	ppbv	99
6) Bromomethane	3.58	94	514508	9.34	ppbv	99
7) Chloroethane	3.66	64	321437	9.39	ppbv	98
8) Dichlorotetrafluoroethane	3.28	85	1988759	9.21	ppbv	90
9) Propene	3.09	41	725639	8.68	ppbv	99
10) Heptane	8.34	43	2369241	9.72	ppbv	97
11) Trichlorofluoromethane	4.07	101	1891203	9.04	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1179468	8.46	ppbv	91
13) Ethanol	3.71	45	175926	6.94	ppbv	96
14) Bromoethene	3.85	108	574252	8.66	ppbv	99
15) Acetone	3.97	43	1381335	8.04	ppbv	100
16) 1,3-Butadiene	3.42	39	837015	10.21	ppbv	85
17) tert-Butyl alcohol	4.43	59	1327303	12.14	ppbv	98
18) 1,1-Dichloroethene	4.42	96	572963	8.60	ppbv	96
19) Isopropyl Alcohol	4.09	45	1162222	8.15	ppbv #	41
20) Methylene Chloride	4.48	84	499008	7.95	ppbv	95
21) Allyl Chloride	4.55	41	996521	8.50	ppbv	96
22) trans-1,2-Dichloroethene	5.04	96	615116	8.83	ppbv	100
23) Vinyl Acetate	5.23	43	2943646	9.45	ppbv	99
24) 1,1-Dichloroethane	5.17	63	1993712	9.99	ppbv	98
25) Ethyl Acetate	5.85	43	3264312	9.19	ppbv	100
26) Hexane	5.86	57	1525710	9.32	ppbv	98
27) Carbon Disulfide	4.69	76	1409376	8.66	ppbv	98
28) Methyl tert-Butyl Ether	5.19	73	2761856	9.55	ppbv	99
29) Chloroform	5.93	83	2351890	9.87	ppbv	99
30) Cyclohexane	7.34	84	1598312	10.36	ppbv	100
31) cis-1,2-Dichloroethene	5.72	61	1622463	9.92	ppbv	93
32) 1,1,1-Trichloroethane	6.71	97	2744421	10.99	ppbv	98
34) 2-Butanone	5.41	43	2234105	9.13	ppbv	99
35) Carbon Tetrachloride	7.22	117	2700754	10.23	ppbv	99
36) Benzene	7.10	78	3813467	10.22	ppbv	97
37) 1,2-Dichloroethane	6.50	62	2213504	11.90	ppbv	96
38) Trichloroethene	8.05	130	1202945	8.25	ppbv	94
39) 1,2-Dichloropropane	7.83	63	1501437	10.20	ppbv	96
40) 1,4-Dioxane	8.05	88	469696	8.13	ppbv #	1
41) Tetrahydrofuran	6.23	42	1297433	8.84	ppbv	98
42) Bromodichloromethane	8.01	83	2904903	9.96	ppbv	96
43) Methyl Methacrylate	8.23	69	1522160	9.84	ppbv	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070518\
 Data File : VL032205.D
 Acq On : 5 Jul 2018 15:28
 Operator : SY/AP
 Sample : VL0705ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0705ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 10:47:31 AM

Quant Time: Jul 06 05:03:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 2
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	8.08	57	6159769	9.43	ppbv	99
45) t-1,3-Dichloropropene	9.51	75	2126269	11.09	ppbv	97
46) cis-1,3-Dichloropropene	8.93	75	2309945	10.09	ppbv	98
47) 1,1,2-Trichloroethane	9.71	97	1551486	10.14	ppbv	95
48) Dibromochloromethane	10.55	129	2484633	10.49	ppbv	100
49) Bromoform	13.31	173	1923789	9.70	ppbv	99
50) 4-Methyl-2-Pentanone	8.96	43	3670288	9.15	ppbv	100
51) 2-Hexanone	10.37	43	3270279	9.84	ppbv #	99
52) Tetrachloroethene	11.47	164	1203576	8.87	ppbv	95
53) Toluene	10.04	91	4503942	9.98	ppbv	99
54) 1,2-Dibromoethane	10.86	107	2379365	10.34	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.38	131	1735433	9.26	ppbv #	55
57) Chlorobenzene	12.40	112	3185077	8.76	ppbv	92
58) Ethyl Benzene	12.96	91	6214619	9.19	ppbv	94
59) m/p-Xylene	13.22	91	10064059m	18.56	ppbv	
60) o-Xylene	13.95	91	4826485	8.92	ppbv	95
61) Styrene	13.79	104	3959807	8.93	ppbv	93
62) Isopropylbenzene	14.93	105	6953253	8.36	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.94	83	3313671	7.91	ppbv	100
64) n-propylbenzene	15.82	120	1765942	8.20	ppbv	84
65) tert-Butylbenzene	17.01	119	5571008	7.62	ppbv	92
66) Benzyl Chloride	17.26	91	3294163	7.30	ppbv #	94
67) sec-Butylbenzene	17.56	105	8274577	7.73	ppbv	98
69) p-Isopropyltoluene	17.91	119	6611775	7.70	ppbv	96
70) n-Butylbenzene	18.81	91	7163390	7.99	ppbv	98
71) 2-Chlorotoluene	15.72	91	5434126	8.49	ppbv	94
72) 4-Ethyltoluene	16.10	105	5748862	8.23	ppbv	97
73) 1,3,5-Trimethylbenzene	16.26	105	5444031	8.27	ppbv	95
74) 1,2,4-Trimethylbenzene	17.03	105	5228322	7.87	ppbv	97
75) 1,3-Dichlorobenzene	17.27	146	2735795	7.24	ppbv	97
76) 1,4-Dichlorobenzene	17.41	146	2827258	7.38	ppbv	96
77) 1,2-Dichlorobenzene	18.09	146	2699349	7.15	ppbv	96
78) Hexachloro-1,3-Butadiene	23.63	225	1534239	11.67	ppbv	99
79) Naphthalene	22.53	128	4218946	6.99	ppbv	100
80) Naphthalene, 2-methyl-	25.19	142	2227697	10.22	ppbv	97
81) 1,2,4-Trichlorobenzene	22.25	180	1967291m	7.22	ppbv	

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

