

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL060118\
 Data File : VL032027.D
 Acq On : 1 Jun 2018 18:57
 Operator : SY/AP
 Sample : VL0601ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0601ABS01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2018 3:35:46 PM

Quant Time: Jun 02 02:23:26 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL053118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 01 02:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.87	49	1288053	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.41	114	2474894	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.37	117	2636907	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.71	95	1981125	9.73	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.30%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.15	85	1303557	8.42	ppbv	100
3) Chlorodifluoromethane	3.08	51	1132562	9.35	ppbv	99
4) Chloromethane	3.24	50	607070	9.88	ppbv	100
5) Vinyl Chloride	3.37	62	639987	9.38	ppbv	97
6) Bromomethane	3.59	94	461068	9.83	ppbv	97
7) Chloroethane	3.68	64	270645	9.31	ppbv	97
8) Dichlorotetrafluoroethane	3.30	85	1622762	9.61	ppbv	99
9) Propene	3.11	41	417909	10.56	ppbv	99
10) Heptane	8.37	43	1485526	10.58	ppbv	100
11) Trichlorofluoromethane	4.09	101	1956012	8.20	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.65	101	1540587	9.42	ppbv	99
13) Ethanol	3.73	45	131918	8.53	ppbv	98
14) Bromoethene	3.87	108	533070	9.27	ppbv	99
15) Acetone	3.99	43	1286859	8.28	ppbv	99
16) 1,3-Butadiene	3.44	39	566747	9.99	ppbv	94
17) tert-Butyl alcohol	4.45	59	802741	10.77	ppbv	99
18) 1,1-Dichloroethene	4.44	96	715972	10.07	ppbv	93
19) Isopropyl Alcohol	4.12	45	968881m	9.42	ppbv	
20) Methylene Chloride	4.50	84	688649	9.76	ppbv	98
21) Allyl Chloride	4.57	41	1098022	10.03	ppbv	99
22) trans-1,2-Dichloroethene	5.06	96	767557	10.04	ppbv	97
23) Vinyl Acetate	5.25	43	2152588	10.24	ppbv	99
24) 1,1-Dichloroethane	5.19	63	1993661	9.74	ppbv	99
25) Ethyl Acetate	5.87	43	2975873	9.67	ppbv	100
26) Hexane	5.88	57	1427126	9.98	ppbv	100
27) Carbon Disulfide	4.71	76	1952192	10.42	ppbv	99
28) Methyl tert-Butyl Ether	5.21	73	1901651	10.75	ppbv	100
29) Chloroform	5.96	83	2268145	9.40	ppbv	98
30) Cyclohexane	7.37	84	921760	10.92	ppbv	97
31) cis-1,2-Dichloroethene	5.75	61	1352072	10.51	ppbv	98
32) 1,1,1-Trichloroethane	6.74	97	1914816	9.74	ppbv	100
34) 2-Butanone	5.43	43	1990687	10.23	ppbv	100
35) Carbon Tetrachloride	7.25	117	1962516	9.30	ppbv	99
36) Benzene	7.12	78	2192639	10.08	ppbv	98
37) 1,2-Dichloroethane	6.52	62	1614178	10.29	ppbv	100
38) Trichloroethene	8.08	130	932646	11.18	ppbv	98
39) 1,2-Dichloropropane	7.86	63	814436	10.16	ppbv	97
40) 1,4-Dioxane	8.07	88	349594	10.14	ppbv #	1
41) Tetrahydrofuran	6.26	42	826322	9.89	ppbv	99
42) Bromodichloromethane	8.04	83	1938385	9.89	ppbv	98
43) Methyl Methacrylate	8.25	69	833993	11.01	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.11	57	3779699	10.15	ppbv	100
45) t-1,3-Dichloropropene	9.54	75	1196004	11.68	ppbv	99
46) cis-1,3-Dichloropropene	8.95	75	1468317	11.29	ppbv	99
47) 1,1,2-Trichloroethane	9.74	97	946127	9.56	ppbv	97
48) Dibromochloromethane	10.58	129	1599275	9.76	ppbv	99
49) Bromoform	13.33	173	1229509	9.55	ppbv	100
50) 4-Methyl-2-Pentanone	8.99	43	1960516	10.36	ppbv	100
51) 2-Hexanone	10.40	43	1836365	10.81	ppbv #	100
52) Tetrachloroethene	11.50	164	856201	9.92	ppbv	97
53) Toluene	10.07	91	2651647	10.90	ppbv	99
54) 1,2-Dibromoethane	10.89	107	1414085	9.76	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.41	131	1124041	8.83	ppbv	96
57) Chlorobenzene	12.43	112	2092394	8.69	ppbv	98
58) Ethyl Benzene	12.99	91	3657795	9.87	ppbv	100
59) m/p-Xylene	13.28	91	6079713m	18.70	ppbv	
60) o-Xylene	13.98	91	3120634	9.57	ppbv	100
61) Styrene	13.81	104	715331	11.35	ppbv	100
62) Isopropylbenzene	14.95	105	3920738	9.43	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.96	83	1963846	7.77	ppbv	99
64) n-propylbenzene	15.85	120	993496	9.57	ppbv	98
65) tert-Butylbenzene	17.03	119	3358027	9.24	ppbv	100
66) Benzyl Chloride	17.28	91	323280	8.01	ppbv	98
67) sec-Butylbenzene	17.58	105	4688572	8.89	ppbv	100
69) p-Isopropyltoluene	17.94	119	3814507	9.34	ppbv	99
70) n-Butylbenzene	18.84	91	3949580	9.39	ppbv	100
71) 2-Chlorotoluene	15.75	91	2923954	9.57	ppbv	100
72) 4-Ethyltoluene	16.13	105	3248529	10.02	ppbv	99
73) 1,3,5-Trimethylbenzene	16.29	105	2893301	9.67	ppbv	99
74) 1,2,4-Trimethylbenzene	17.05	105	3092141	9.17	ppbv	97
75) 1,3-Dichlorobenzene	17.29	146	1918382	8.28	ppbv	99
76) 1,4-Dichlorobenzene	17.43	146	1943855	8.81	ppbv	99
77) 1,2-Dichlorobenzene	18.12	146	1857141	8.47	ppbv	100
78) Hexachloro-1,3-Butadiene	23.66	225	843361	9.70	ppbv	99
79) Naphthalene	22.56	128	2957338	15.48	ppbv	96
80) Naphthalene, 2-methyl-	25.21	142	1188342	25.23	ppbv	99
81) 1,2,4-Trichlorobenzene	22.29	180	1518617	13.55	ppbv	99

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

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