

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL012218\
 Data File : VL031429.D
 Acq On : 22 Jan 2018 23:39
 Operator : SY/AP
 Sample : J1089-11
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 23 10:28:20 2018

Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL012218AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 22 17:52:32 2018

QLast Update : Mon Jan 22 17:52:32 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.90	49	1175135	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.44	114	2699585	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	2628977	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2162993	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.18	85	35359	0.21	ppbv	100
3) Chlorodifluoromethane	3.11	51	20934	0.13	ppbv	95
4) Chloromethane	3.27	50	9616	0.14	ppbv #	82
5) Vinyl Chloride	3.40	62	8631	0.13	ppbv #	83
6) Bromomethane	3.63	94	6684m	0.14	ppbv	
7) Chloroethane	3.72	64	4068	0.14	ppbv #	74
8) Dichlorotetrafluoroethane	3.32	85	26997	0.15	ppbv	96
9) Propene	3.14	41	6738m	0.12	ppbv	
10) Heptane	8.41	43	15760m	0.09	ppbv	
11) Trichlorofluoromethane	4.13	101	31713	0.14	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.68	101	20257	0.14	ppbv	95
13) Ethanol	3.78	45	3876m	0.24	ppbv	
14) Bromoethene	3.91	108	7961m	0.14	ppbv	
15) Acetone	4.04	43	30769	0.20	ppbv	99
16) 1,3-Butadiene	3.47	39	6503	0.10	ppbv #	78
17) tert-Butyl alcohol	4.52	59	9628m	0.13	ppbv	
18) 1,1-Dichloroethene	4.48	96	7565	0.12	ppbv	86
19) Isopropyl Alcohol	4.17	45	14264m	0.15	ppbv	
20) Methylene Chloride	4.54	84	16928	0.28	ppbv	87
21) Allyl Chloride	4.61	41	11348	0.12	ppbv	99
22) trans-1,2-Dichloroethene	5.10	96	8493	0.13	ppbv	92
23) Vinyl Acetate	5.30	43	21856m	0.12	ppbv	
24) 1,1-Dichloroethane	5.22	63	22400	0.14	ppbv	96
25) Ethyl Acetate	5.93	43	32953	0.12	ppbv #	98
26) Hexane	5.92	57	14775m	0.12	ppbv	
27) Carbon Disulfide	4.76	76	18502	0.11	ppbv #	78
28) Methyl tert-Butyl Ether	5.27	73	15858m	0.11	ppbv	
29) Chloroform	5.99	83	26505	0.12	ppbv	91
30) Cyclohexane	7.42	84	16140m	0.17	ppbv	
31) cis-1,2-Dichloroethene	5.78	61	13274	0.11	ppbv	89
32) 1,1,1-Trichloroethane	6.77	97	26597m	0.13	ppbv	
34) 2-Butanone	5.49	43	20548	0.12	ppbv	99
35) Carbon Tetrachloride	7.29	117	28821	0.13	ppbv	96
36) Benzene	7.16	78	25796m	0.11	ppbv	
37) 1,2-Dichloroethane	6.56	62	23232	0.12	ppbv #	96
38) Trichloroethene	8.12	130	12999m	0.14	ppbv	
39) 1,2-Dichloropropane	7.90	63	11349m	0.13	ppbv	
40) 1,4-Dioxane	8.19	88	3294m	0.09	ppbv	
41) Tetrahydrofuran	6.34	42	8799	0.09	ppbv	94
42) Bromodichloromethane	8.07	83	26927	0.12	ppbv	94
43) Methyl Methacrylate	8.31	69	8179	0.09	ppbv	96

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 QLast Update : Mon Jan 22 17:52:32 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	37110m	0.09	ppbv	
45) t-1,3-Dichloropropene	9.58	75	10389m	0.08	ppbv	
46) cis-1,3-Dichloropropene	8.99	75	12530	0.08	ppbv	90
47) 1,1,2-Trichloroethane	9.77	97	13308m	0.13	ppbv	
48) Dibromochloromethane	10.61	129	20747m	0.11	ppbv	
49) Bromoform	13.37	173	15206m	0.11	ppbv	
50) 4-Methyl-2-Pentanone	9.07	43	19576m	0.09	ppbv	
51) 2-Hexanone	10.47	43	16258m	0.07	ppbv	
52) Tetrachloroethene	11.54	164	10576m	0.12	ppbv	
53) Toluene	10.11	91	23898m	0.08	ppbv	
54) 1,2-Dibromoethane	10.93	107	17873m	0.11	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.45	131	17031m	0.14	ppbv	
57) Chlorobenzene	12.47	112	30459m	0.13	ppbv	
58) Ethyl Benzene	13.03	91	35707	0.09	ppbv	95
59) m/p-Xylene	13.30	91	58657m	0.18	ppbv	
60) o-Xylene	14.02	91	27276	0.08	ppbv	99
61) Styrene	13.85	104	5173m	0.07	ppbv	
62) Isopropylbenzene	15.00	105	42258	0.10	ppbv	97
63) 1,1,2,2-Tetrachloroethane	14.01	83	27920	0.12	ppbv	95
64) n-propylbenzene	15.89	120	7910m	0.08	ppbv	
65) tert-Butylbenzene	17.08	119	31068m	0.09	ppbv	
66) Benzyl Chloride	17.33	91	3907m	0.11	ppbv	
67) sec-Butylbenzene	17.63	105	46717	0.09	ppbv	99
69) p-Isopropyltoluene	17.98	119	33013	0.08	ppbv	94
70) n-Butylbenzene	18.88	91	35709m	0.08	ppbv	
71) 2-Chlorotoluene	15.78	91	29540m	0.09	ppbv	
72) 4-Ethyltoluene	16.17	105	28105m	0.08	ppbv	
73) 1,3,5-Trimethylbenzene	16.33	105	25000	0.08	ppbv #	77
74) 1,2,4-Trimethylbenzene	17.10	105	26734	0.08	ppbv #	92
75) 1,3-Dichlorobenzene	17.33	146	27470m	0.13	ppbv	
76) 1,4-Dichlorobenzene	17.48	146	23949m	0.12	ppbv	
77) 1,2-Dichlorobenzene	18.17	146	24631m	0.12	ppbv	
78) Hexachloro-1,3-Butadiene	23.70	225	14328m	0.20	ppbv	
79) Naphthalene	22.62	128	15585m	0.08	ppbv	
80) Naphthalene, 2-methyl-	25.26	142	3541	0.06	ppbv #	93
81) 1,2,4-Trichlorobenzene	22.35	180	11517m	0.10	ppbv	

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

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