

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041918\
 Data File : VL031886.D
 Acq On : 19 Apr 2018 20:22
 Operator : SY/AP
 Sample : J2133-13 0.1 PPBV
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2018

Manual Integrations
 APPROVED

Quant Time: Apr 20 09:00:31 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	1108667	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2598398	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2514845	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.72	95	2075548	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

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Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.16	85	31266m	0.14	ppbv	
3) Chlorodifluoromethane	3.10	51	17593	0.14	ppbv	94
4) Chloromethane	3.26	50	9071	0.14	ppbv	96
5) Vinyl Chloride	3.39	62	7992m	0.11	ppbv	
6) Bromomethane	3.62	94	6124	0.13	ppbv #	51
7) Chloroethane	3.70	64	4118m	0.14	ppbv	
8) Dichlorotetrafluoroethane	3.31	85	25978	0.14	ppbv	93
9) Propene	3.12	41	4162m	0.09	ppbv	
10) Heptane	8.38	43	9969m	0.07	ppbv	
11) Trichlorofluoromethane	4.11	101	31840	0.14	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.67	101	20393m	0.14	ppbv	
13) Ethanol	3.78	45	3027m	0.20	ppbv	
14) Bromoethene	3.89	108	6067m	0.11	ppbv	
15) Acetone	4.04	43	33255	0.19	ppbv	99
16) 1,3-Butadiene	3.45	39	6311m	0.10	ppbv	
17) tert-Butyl alcohol	4.51	59	10992m	0.16	ppbv	
18) 1,1-Dichloroethene	4.46	96	8153m	0.13	ppbv	
19) Isopropyl Alcohol	4.17	45	13132m	0.14	ppbv	
20) Methylene Chloride	4.52	84	12726m	0.20	ppbv	
21) Allyl Chloride	4.59	41	11011m	0.11	ppbv	
22) trans-1,2-Dichloroethene	5.07	96	7279m	0.11	ppbv	
23) Vinyl Acetate	5.29	43	16671m	0.10	ppbv	
24) 1,1-Dichloroethane	5.21	63	19229	0.11	ppbv	97
25) Ethyl Acetate	5.91	43	27937m	0.10	ppbv	
26) Hexane	5.91	57	11105	0.09	ppbv #	70
27) Carbon Disulfide	4.73	76	16755m	0.10	ppbv	
28) Methyl tert-Butyl Ether	5.25	73	13466m	0.09	ppbv	
29) Chloroform	5.97	83	24940m	0.12	ppbv	
30) Cyclohexane	7.41	84	15221m	0.17	ppbv	
31) cis-1,2-Dichloroethene	5.77	61	9904m	0.09	ppbv	
32) 1,1,1-Trichloroethane	6.74	97	24409m	0.12	ppbv	
34) 2-Butanone	5.48	43	16210m	0.09	ppbv	
35) Carbon Tetrachloride	7.26	117	24951m	0.11	ppbv	
36) Benzene	7.13	78	18214m	0.08	ppbv	
37) 1,2-Dichloroethane	6.54	62	20574m	0.12	ppbv	
38) Trichloroethene	8.10	130	8623m	0.09	ppbv	
39) 1,2-Dichloropropane	7.87	63	9382m	0.11	ppbv	
40) 1,4-Dioxane	8.18	88	1297m	0.04	ppbv	
41) Tetrahydrofuran	6.32	42	5675m	0.07	ppbv	
42) Bromodichloromethane	8.05	83	21957	0.11	ppbv #	86
43) Methyl Methacrylate	8.28	69	5568m	0.07	ppbv	

4/23/2018 12:50:34 PM

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 2018
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.13	57	26223	0.07	ppbv	# 77
45) t-1,3-Dichloropropene	9.56	75	8535m	0.08	ppbv	
46) cis-1,3-Dichloropropene	8.97	75	10435m	0.08	ppbv	
47) 1,1,2-Trichloroethane	9.75	97	11838m	0.11	ppbv	
48) Dibromochloromethane	10.60	129	15497m	0.09	ppbv	
49) Bromoform	13.35	173	11687m	0.09	ppbv	
50) 4-Methyl-2-Pentanone	9.05	43	14978m	0.07	ppbv	
51) 2-Hexanone	10.45	43	10463m	0.06	ppbv	sam
52) Tetrachloroethene	11.52	164	8874m	0.10	ppbv	
53) Toluene	10.10	91	15041m	0.06	ppbv	
54) 1,2-Dibromoethane	10.90	107	12510m	0.08	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.42	131	15368m	0.13	ppbv	4/23/2018 12:50:34 PM
57) Chlorobenzene	12.44	112	26949m	0.13	ppbv	
58) Ethyl Benzene	13.01	91	21379m	0.06	ppbv	
59) m/p-Xylene	13.29	91	36981m	0.12	ppbv	
60) o-Xylene	14.00	91	16555m	0.05	ppbv	
61) Styrene	13.85	104	4181m	0.07	ppbv	
62) Isopropylbenzene	14.97	105	29112	0.07	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.99	83	26535m	0.11	ppbv	
64) n-propylbenzene	15.87	120	5583m	0.06	ppbv	
65) tert-Butylbenzene	17.06	119	18558m	0.06	ppbv	
66) Benzyl Chloride	17.30	91	3374m	0.11	ppbv	
67) sec-Butylbenzene	17.60	105	30967m	0.06	ppbv	
69) p-Isopropyltoluene	17.97	119	19315m	0.05	ppbv	
70) n-Butylbenzene	18.86	91	23131m	0.06	ppbv	
71) 2-Chlorotoluene	15.77	91	17088m	0.06	ppbv	
72) 4-Ethyltoluene	16.14	105	16546m	0.05	ppbv	
73) 1,3,5-Trimethylbenzene	16.31	105	16608m	0.06	ppbv	
74) 1,2,4-Trimethylbenzene	17.07	105	18073m	0.06	ppbv	
75) 1,3-Dichlorobenzene	17.32	146	23428m	0.12	ppbv	
76) 1,4-Dichlorobenzene	17.45	146	17903m	0.10	ppbv	
77) 1,2-Dichlorobenzene	18.14	146	17497m	0.09	ppbv	
78) Hexachloro-1,3-Butadiene	23.68	225	13104m	0.18	ppbv	
79) Naphthalene	22.60	128	11041m	0.06	ppbv	
81) 1,2,4-Trichlorobenzene	22.30	180	6909m	0.07	ppbv	

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

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