

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070518\
 Data File : VL032221.D
 Acq On : 6 Jul 2018 2:30
 Operator : SY/AP
 Sample : J3762-15 0.1 PPB LOD
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2018

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 10:47:49 AM

Quant Time: Jul 06 12:37:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 2018
 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	5.84	49	1632491	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	4096111	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3910062	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3032576	10.15	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	39061	0.18	ppbv	# 80
3) Chlorodifluoromethane	3.07	51	24209	0.12	ppbv	95
4) Chloromethane	3.23	50	14124	0.13	ppbv	89
5) Vinyl Chloride	3.35	62	12285m	0.11	ppbv	
6) Bromomethane	3.58	94	7022	0.11	ppbv	94
7) Chloroethane	3.67	64	4712	0.12	ppbv	# 78
8) Dichlorotetrafluoroethane	3.28	85	31513	0.13	ppbv	86
9) Propene	3.09	41	9811	0.11	ppbv	95
10) Heptane	8.33	43	21512m	0.08	ppbv	
11) Trichlorofluoromethane	4.07	101	29784	0.13	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.63	101	17532m	0.11	ppbv	
14) Bromoethene	3.86	108	5951	0.08	ppbv	# 58
15) Acetone	3.99	43	33873	0.18	ppbv	98
16) 1,3-Butadiene	3.43	39	10206m	0.11	ppbv	
17) tert-Butyl alcohol	4.47	59	10056m	0.08	ppbv	
18) 1,1-Dichloroethene	4.42	96	7105	0.10	ppbv	# 85
19) Isopropyl Alcohol	4.13	45	16601	0.10	ppbv	# 53
20) Methylene Chloride	4.48	84	12369m	0.18	ppbv	
21) Allvl Chloride	4.55	41	10968	0.08	ppbv	# 81
22) trans-1,2-Dichloroethene	5.04	96	7583m	0.10	ppbv	
23) Vinyl Acetate	5.24	43	28993	0.08	ppbv	# 93
24) 1,1-Dichloroethane	5.16	63	25505m	0.12	ppbv	
25) Ethyl Acetate	5.86	43	41269	0.10	ppbv	97
26) Hexane	5.86	57	18319m	0.10	ppbv	
27) Carbon Disulfide	4.70	76	13078m	0.07	ppbv	
28) Methyl tert-Butyl Ether	5.22	73	25564m	0.08	ppbv	
29) Chloroform	5.93	83	32706	0.12	ppbv	89
30) Cyclohexane	7.33	84	25123m	0.15	ppbv	
31) cis-1,2-Dichloroethene	5.72	61	16275	0.09	ppbv	# 78
32) 1,1,1-Trichloroethane	6.70	97	27934m	0.10	ppbv	
34) 2-Butanone	5.43	43	28074m	0.11	ppbv	
35) Carbon Tetrachloride	7.22	117	31490m	0.11	ppbv	
36) Benzene	7.09	78	38088	0.10	ppbv	# 91
37) 1,2-Dichloroethane	6.49	62	26690m	0.14	ppbv	
38) Trichloroethene	8.05	130	14761	0.10	ppbv	86
39) 1,2-Dichloropropane	7.83	63	18595m	0.12	ppbv	
41) Tetrahydrofuran	6.28	42	13162m	0.08	ppbv	
42) Bromodichloromethane	8.01	83	30865	0.10	ppbv	# 97
43) Methyl Methacrylate	8.24	69	12480m	0.08	ppbv	
44) 2,2,4-Trimethylpentane	8.08	57	59145m	0.09	ppbv	
45) t-1,3-Dichloropropene	9.51	75	12406m	0.06	ppbv	

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

46) cis-1,3-Dichloropropene	8.92	75	14596m	0.06	ppbv	
47) 1,1,2-Trichloroethane	9.71	97	20256m	0.12	ppbv	
48) Dibromochloromethane	10.54	129	20537m	0.08	ppbv	
49) Bromoform	13.30	173	15992m	0.08	ppbv	
50) 4-Methyl-2-Pentanone	9.00	43	33525m	0.08	ppbv	
51) 2-Hexanone	10.40	43	27073m	0.08	ppbv	
52) Tetrachloroethene	11.47	164	15101m	0.10	ppbv	
53) Toluene	10.04	91	35193m	0.07	ppbv	
54) 1,2-Dibromoethane	10.85	107	25700m	0.11	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.37	131	20393m	0.12	ppbv	
57) Chlorobenzene	12.39	112	43964m	0.13	ppbv	
58) Ethyl Benzene	12.96	91	52157m	0.08	ppbv	
59) m/p-Xylene	13.22	91	80842m	0.16	ppbv	
60) o-Xylene	13.95	91	40726m	0.08	ppbv	
61) Styrene	13.78	104	26027m	0.06	ppbv	
62) Isopropylbenzene	14.93	105	65721m	0.08	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.94	83	43075	0.11	ppbv	88
64) n-propylbenzene	15.82	120	14724m	0.07	ppbv	
65) tert-Butylbenzene	17.01	119	50381m	0.07	ppbv	
66) Benzyl Chloride	17.25	91	17523m	0.04	ppbv	
67) sec-Butylbenzene	17.55	105	74457m	0.07	ppbv	
69) p-Isopropyltoluene	17.91	119	53731m	0.07	ppbv	
70) n-Butylbenzene	18.82	91	59271m	0.07	ppbv	
71) 2-Chlorotoluene	15.72	91	48420m	0.08	ppbv	
72) 4-Ethyltoluene	16.10	105	38883	0.06	ppbv #	90
73) 1,3,5-Trimethylbenzene	16.25	105	41816m	0.07	ppbv	
74) 1,2,4-Trimethylbenzene	17.02	105	47136m	0.08	ppbv	
75) 1,3-Dichlorobenzene	17.26	146	40559m	0.12	ppbv	
76) 1,4-Dichlorobenzene	17.40	146	31972	0.09	ppbv	97
77) 1,2-Dichlorobenzene	18.09	146	35469m	0.10	ppbv	
78) Hexachloro-1,3-Butadiene	23.63	225	15313m	0.13	ppbv	
79) Naphthalene	22.53	128	23796m	0.04	ppbv	
81) 1,2,4-Trichlorobenzene	22.27	180	14392m	0.06	ppbv	

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

