

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070518\
 Data File : VL032218.D
 Acq On : 6 Jul 2018 00:38
 Operator : SY/AP
 Sample : J3762-13 0.1 PPB LOD
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2018

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 10:47:44 AM

Quant Time: Jul 06 12:26:02 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	5.84	49	1541366	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3572799	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.33	117	3805331	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	2924637	10.05	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	30943	0.15	ppbv	91
3) Chlorodifluoromethane	3.07	51	20907	0.11	ppbv	93
4) Chloromethane	3.23	50	11699	0.12	ppbv	91
5) Vinyl Chloride	3.35	62	10116	0.10	ppbv #	76
6) Bromomethane	3.58	94	6186m	0.11	ppbv	
7) Chloroethane	3.65	64	4201m	0.12	ppbv	
8) Dichlorotetrafluoroethane	3.27	85	26846	0.12	ppbv	88
9) Propene	3.09	41	7146	0.08	ppbv	90
10) Heptane	8.33	43	20103m	0.08	ppbv	
11) Trichlorofluoromethane	4.07	101	25567	0.12	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.62	101	15932m	0.11	ppbv	
14) Bromoethene	3.85	108	5694	0.08	ppbv #	90
15) Acetone	3.99	43	29640	0.16	ppbv	93
16) 1,3-Butadiene	3.42	39	9007m	0.10	ppbv	
17) tert-Butyl alcohol	4.47	59	8844m	0.08	ppbv	
18) 1,1-Dichloroethene	4.42	96	7494m	0.11	ppbv	
19) Isopropyl Alcohol	4.12	45	14757m	0.10	ppbv	
20) Methylene Chloride	4.48	84	10806m	0.16	ppbv	
21) Allvl Chloride	4.55	41	11778m	0.10	ppbv	
22) trans-1,2-Dichloroethene	5.04	96	7937m	0.11	ppbv	
23) Vinyl Acetate	5.24	43	26500m	0.08	ppbv	
24) 1,1-Dichloroethane	5.17	63	21978	0.10	ppbv	98
25) Ethyl Acetate	5.86	43	38066m	0.10	ppbv	
26) Hexane	5.86	57	18154	0.11	ppbv #	94
27) Carbon Disulfide	4.70	76	11070m	0.06	ppbv	
28) Methyl tert-Butyl Ether	5.22	73	23522	0.08	ppbv	95
29) Chloroform	5.93	83	29504	0.12	ppbv	94
30) Cyclohexane	7.36	84	18773m	0.12	ppbv	
31) cis-1,2-Dichloroethene	5.73	61	16257m	0.09	ppbv	
32) 1,1,1-Trichloroethane	6.71	97	27202	0.10	ppbv #	88
34) 2-Butanone	5.43	43	24913m	0.11	ppbv	
35) Carbon Tetrachloride	7.22	117	27226m	0.11	ppbv	
36) Benzene	7.09	78	38412m	0.11	ppbv	
37) 1,2-Dichloroethane	6.50	62	26110m	0.15	ppbv	
38) Trichloroethene	8.04	130	12806m	0.09	ppbv	
39) 1,2-Dichloropropane	7.83	63	15799m	0.12	ppbv	
41) Tetrahydrofuran	6.27	42	11957m	0.09	ppbv	
42) Bromodichloromethane	8.01	83	26711m	0.10	ppbv	
43) Methyl Methacrylate	8.23	69	11781m	0.08	ppbv	
44) 2,2,4-Trimethylpentane	8.08	57	46974	0.08	ppbv #	88
45) t-1,3-Dichloropropene	9.50	75	11152m	0.06	ppbv	

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46) cis-1,3-Dichloropropene	8.93	75	14450m	0.07	ppbv	
47) 1,1,2-Trichloroethane	9.71	97	20424m	0.14	ppbv	
48) Dibromochloromethane	10.54	129	21136m	0.10	ppbv	
49) Bromoform	13.30	173	14006m	0.08	ppbv	
50) 4-Methyl-2-Pentanone	9.00	43	29886m	0.08	ppbv	
51) 2-Hexanone	10.41	43	27726m	0.09	ppbv	
52) Tetrachloroethene	11.46	164	15008m	0.12	ppbv	
53) Toluene	10.04	91	37258	0.09	ppbv	99
54) 1,2-Dibromoethane	10.86	107	25249m	0.12	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.38	131	17673m	0.10	ppbv	
57) Chlorobenzene	12.40	112	44578m	0.14	ppbv	
58) Ethyl Benzene	12.95	91	53909m	0.09	ppbv	
59) m/p-Xylene	13.24	91	84358m	0.17	ppbv	
60) o-Xylene	13.94	91	42823m	0.09	ppbv	
61) Styrene	13.78	104	26740m	0.07	ppbv	
62) Isopropylbenzene	14.92	105	60253	0.08	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.93	83	44493m	0.12	ppbv	
64) n-propylbenzene	15.81	120	14698m	0.08	ppbv	
65) tert-Butylbenzene	17.01	119	47439m	0.07	ppbv	
67) sec-Butylbenzene	17.56	105	78267m	0.08	ppbv	
69) p-Isopropyltoluene	17.92	119	51701m	0.07	ppbv	
70) n-Butylbenzene	18.81	91	61906m	0.08	ppbv	
71) 2-Chlorotoluene	15.71	91	47219m	0.08	ppbv	
72) 4-Ethyltoluene	16.09	105	44525m	0.07	ppbv	
73) 1,3,5-Trimethylbenzene	16.26	105	40075m	0.07	ppbv	
74) 1,2,4-Trimethylbenzene	17.02	105	44554	0.07	ppbv #	78
75) 1,3-Dichlorobenzene	17.26	146	40617m	0.12	ppbv	
76) 1,4-Dichlorobenzene	17.40	146	32263m	0.09	ppbv	
77) 1,2-Dichlorobenzene	18.08	146	34091m	0.10	ppbv	
78) Hexachloro-1,3-Butadiene	23.64	225	14922m	0.13	ppbv	
79) Naphthalene	22.53	128	23855m	0.04	ppbv	
81) 1,2,4-Trichlorobenzene	22.26	180	13997m	0.06	ppbv	

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

