

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
 Data File : VL035290.D
 Acq On : 30 Jul 2020 21:56
 Operator : SY/AP
 Sample : L3216-15 0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT3-2020

Quant Time: Aug 02 18:16:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1099256	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2707390	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2497311	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2051642	10.28	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	27382	0.209	ppbv	98
3) Chlorodifluoromethane	2.95	51	16385m	0.135	ppbv	
4) Chloromethane	3.10	50	9721	0.142	ppbv #	63
5) Vinyl Chloride	3.22	62	8713m	0.122	ppbv	
6) Bromomethane	3.45	94	6988	0.159	ppbv #	78
7) Chloroethane	3.53	64	3571	0.139	ppbv #	72
8) Dichlorotetrafluoroethane	3.15	85	25978	0.156	ppbv	98
9) Propene	2.98	41	6705m	0.158	ppbv	
10) Heptane	8.14	43	6427m	0.056	ppbv	
11) Trichlorofluoromethane	3.93	101	26372	0.149	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	16960	0.135	ppbv	98
14) Bromoethene	3.72	108	5827	0.114	ppbv #	67
15) Acetone	3.85	43	36826	0.251	ppbv #	83
16) 1,3-Butadiene	3.30	39	6293	0.110	ppbv	92
17) tert-Butyl alcohol	4.30	59	18703m	0.132	ppbv	
18) 1,1-Dichloroethene	4.27	96	7341m	0.132	ppbv	
19) Isopropyl Alcohol	3.97	45	13837m	0.143	ppbv	
20) Methylene Chloride	4.32	84	18135m	0.272	ppbv	
21) Allvl Chloride	4.40	41	12538m	0.150	ppbv	
22) trans-1,2-Dichloroethene	4.88	96	9188m	0.172	ppbv	
23) Vinyl Acetate	5.07	43	12379m	0.084	ppbv	
24) 1,1-Dichloroethane	5.00	63	16912m	0.123	ppbv	
25) Ethyl Acetate	5.69	43	24897m	0.109	ppbv	
26) Hexane	5.69	57	9808m	0.095	ppbv	
27) Carbon Disulfide	4.54	76	15620	0.112	ppbv #	33
28) Methyl tert-Butyl Ether	5.04	73	12812m	0.087	ppbv	
29) Chloroform	5.75	83	24572	0.142	ppbv	89
30) Cyclohexane	7.16	84	4747m	0.064	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	8757	0.097	ppbv #	52
32) 1,1,1-Trichloroethane	6.51	97	22964m	0.129	ppbv	
34) 2-Butanone	5.27	43	14130m	0.103	ppbv	
35) Carbon Tetrachloride	7.03	117	23064m	0.127	ppbv	
36) Benzene	6.89	78	14997m	0.080	ppbv	
37) 1,2-Dichloroethane	6.31	62	15065	0.115	ppbv #	94
38) Trichloroethene	7.86	130	7786m	0.100	ppbv	
39) 1,2-Dichloropropane	7.63	63	9120m	0.121	ppbv	
41) Tetrahydrofuran	6.08	42	4398m	0.065	ppbv	
42) Bromodichloromethane	7.81	83	19517m	0.111	ppbv	
43) Methyl Methacrylate	8.04	69	5940m	0.073	ppbv	
44) 2,2,4-Trimethylpentane	7.88	57	19496m	0.059	ppbv	
45) t-1,3-Dichloropropene	9.31	75	6002m	0.073	ppbv	

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46) cis-1,3-Dichloropropene	8.73	75	6915m	0.069	ppbv	
47) 1,1,2-Trichloroethane	9.51	97	10803m	0.122	ppbv	
48) Dibromochloromethane	10.35	129	12345m	0.088	ppbv	
49) Bromoform	13.09	173	10388m	0.083	ppbv	
50) 4-Methyl-2-Pentanone	8.80	43	12320m	0.062	ppbv	
51) 2-Hexanone	10.19	43	7378m	0.049	ppbv	
52) Tetrachloroethene	11.25	164	6380m	0.089	ppbv	
53) Toluene	9.83	91	12212m	0.061	ppbv	
54) 1,2-Dibromoethane	10.64	107	11757m	0.092	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.16	131	12850m	0.112	ppbv	
57) Chlorobenzene	12.19	112	23872m	0.127	ppbv	
58) Ethyl Benzene	12.74	91	17749m	0.067	ppbv	
59) m/p-Xylene	13.02	91	25613m	0.104	ppbv	
60) o-Xylene	13.73	91	13611m	0.055	ppbv	
61) Styrene	13.56	104	8394m	0.056	ppbv	
62) Isopropylbenzene	14.72	105	22820m	0.062	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.72	83	21632m	0.102	ppbv	
64) n-propylbenzene	15.62	120	4396m	0.045	ppbv	
65) tert-Butylbenzene	16.80	119	17778m	0.054	ppbv	
66) Benzyl Chloride	17.05	91	14060m	0.108	ppbv	
67) sec-Butylbenzene	17.35	105	29800m	0.062	ppbv	
69) p-Isopropyltoluene	17.70	119	18892m	0.048	ppbv	
70) n-Butylbenzene	18.60	91	23835m	0.056	ppbv	
71) 2-Chlorotoluene	15.50	91	17000m	0.062	ppbv	
72) 4-Ethyltoluene	15.88	105	14269m	0.052	ppbv	
73) 1,3,5-Trimethylbenzene	16.05	105	14114m	0.052	ppbv	
74) 1,2,4-Trimethylbenzene	16.82	105	14060m	0.045	ppbv	
75) 1,3-Dichlorobenzene	17.04	146	29529m	0.146	ppbv	
76) 1,4-Dichlorobenzene	17.20	146	18981m	0.104	ppbv	
77) 1,2-Dichlorobenzene	17.88	146	15902m	0.088	ppbv	
78) Hexachloro-1,3-Butadiene	23.44	225	19328m	0.130	ppbv	
79) Naphthalene	22.28	128	13672m	0.055	ppbv	
80) Naphthalene, 2-methyl-	25.03	142	3610m	0.045	ppbv	
81) 1,2,4-Trichlorobenzene	22.00	180	11090m	0.073	ppbv	

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

