

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072320\
 Data File : VL035229.D
 Acq On : 23 Jul 2020 15:10
 Operator : SY/AP
 Sample : L3216-13 0.1 LOD
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 LOD-MDL-AIR-01-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/27/2020 12:29:51 PM

Quant Time: Jul 24 06:34:53 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08

QLast Update : Wed Jul 08 07:05:23 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1150041	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2832380	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2613436	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2175258	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	29144	0.181	ppbv	88
3) Chlorodifluoromethane	2.94	51	18798	0.148	ppbv #	87
4) Chloromethane	3.09	50	11421m	0.160	ppbv	
5) Vinyl Chloride	3.21	62	8901	0.116	ppbv #	84
6) Bromomethane	3.43	94	6588	0.152	ppbv #	57
7) Chloroethane	3.52	64	3716m	0.137	ppbv	
8) Dichlorotetrafluoroethane	3.14	85	26626	0.151	ppbv	97
9) Propene	2.97	41	7699m	0.160	ppbv	
10) Heptane	8.13	43	7952m	0.065	ppbv	
11) Trichlorofluoromethane	3.92	101	26502m	0.146	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.46	101	20639	0.161	ppbv	97
13) Ethanol	3.59	45	4689m	0.307	ppbv	
14) Bromoethene	3.70	108	6960m	0.132	ppbv	
15) Acetone	3.84	43	48858	0.314	ppbv #	81
16) 1,3-Butadiene	3.28	39	7787m	0.130	ppbv	
17) tert-Butyl alcohol	4.30	59	21739m	0.158	ppbv	
18) 1,1-Dichloroethene	4.26	96	9342m	0.165	ppbv	
19) Isopropyl Alcohol	3.96	45	15889m	0.169	ppbv	
20) Methylene Chloride	4.32	84	22199m	0.328	ppbv	
21) Allyl Chloride	4.38	41	12308m	0.136	ppbv	
22) trans-1,2-Dichloroethene	4.86	96	9873m	0.175	ppbv	
23) Vinyl Acetate	5.06	43	18177m	0.108	ppbv	
24) 1,1-Dichloroethane	4.99	63	20464m	0.141	ppbv	
25) Ethyl Acetate	5.67	43	26671m	0.110	ppbv	
26) Hexane	5.68	57	10623m	0.100	ppbv	
27) Carbon Disulfide	4.53	76	21050m	0.141	ppbv	
28) Methyl tert-Butyl Ether	5.03	73	13941m	0.086	ppbv	
29) Chloroform	5.74	83	24216	0.136	ppbv	86
30) Cyclohexane	7.17	84	13424m	0.170	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	8460m	0.084	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	21927m	0.122	ppbv	
34) 2-Butanone	5.24	43	17010m	0.113	ppbv	
35) Carbon Tetrachloride	7.02	117	23179m	0.126	ppbv	
36) Benzene	6.88	78	15941m	0.078	ppbv	
37) 1,2-Dichloroethane	6.29	62	15641	0.114	ppbv	99
38) Trichloroethene	7.84	130	8270m	0.099	ppbv	
39) 1,2-Dichloropropane	7.62	63	9804m	0.120	ppbv	
40) 1,4-Dioxane	7.91	88	1531m	0.047	ppbv	
41) Tetrahydrofuran	6.08	42	6446m	0.085	ppbv	
42) Bromodichloromethane	7.80	83	22637m	0.123	ppbv	
43) Methyl Methacrylate	8.01	69	5414m	0.062	ppbv	

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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Jul 08
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	21771m	0.062	ppbv	
45) t-1,3-Dichloropropene	9.28	75	7231m	0.079	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	7138m	0.066	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	10128m	0.113	ppbv	
48) Dibromochloromethane	10.32	129	12716m	0.088	ppbv	
49) Bromoform	13.08	173	13120m	0.103	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	15437m	0.071	ppbv	
51) 2-Hexanone	10.17	43	10332m	0.062	ppbv	
52) Tetrachloroethene	11.24	164	8206m	0.107	ppbv	
53) Toluene	9.81	91	13025m	0.060	ppbv	
54) 1,2-Dibromoethane	10.63	107	11506	0.087	ppbv	89
56) 1,1,1,2-Tetrachloroethane	12.15	131	15300m	0.132	ppbv	
57) Chlorobenzene	12.17	112	26514m	0.138	ppbv	
58) Ethyl Benzene	12.73	91	16355m	0.057	ppbv	
59) m/p-Xylene	13.00	91	30411m	0.118	ppbv	
60) o-Xylene	13.72	91	14859m	0.058	ppbv	
61) Styrene	13.55	104	8764m	0.055	ppbv	
62) Isopropylbenzene	14.70	105	22741	0.060	ppbv	# 83
63) 1,1,2,2-Tetrachloroethane	13.71	83	26294m	0.123	ppbv	
64) n-propylbenzene	15.59	120	5020m	0.051	ppbv	
65) tert-Butylbenzene	16.78	119	16245m	0.048	ppbv	
66) Benzyl Chloride	17.04	91	14812m	0.122	ppbv	
67) sec-Butylbenzene	17.33	105	34197m	0.069	ppbv	
69) p-Isopropyltoluene	17.69	119	21130m	0.054	ppbv	
70) n-Butylbenzene	18.60	91	23587m	0.057	ppbv	
71) 2-Chlorotoluene	15.49	91	19484m	0.068	ppbv	
72) 4-Ethyltoluene	15.86	105	14735m	0.051	ppbv	
73) 1,3,5-Trimethylbenzene	16.03	105	14539m	0.052	ppbv	
74) 1,2,4-Trimethylbenzene	16.81	105	15405m	0.050	ppbv	
75) 1,3-Dichlorobenzene	17.03	146	31508m	0.161	ppbv	
76) 1,4-Dichlorobenzene	17.18	146	19104m	0.105	ppbv	
77) 1,2-Dichlorobenzene	17.86	146	16750m	0.095	ppbv	
78) Hexachloro-1,3-Butadiene	23.42	225	19185m	0.138	ppbv	
79) Naphthalene	22.26	128	11281m	0.057	ppbv	
81) 1,2,4-Trichlorobenzene	22.00	180	9205m	0.073	ppbv	

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

