

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
 Data File : VL035289.D
 Acq On : 30 Jul 2020 21:19
 Operator : SY/AP
 Sample : L3216-15 0.4
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jul 31 05:34:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	1075604	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2729933	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2458397	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2076253	10.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.01	85	82197	0.640 ppbv	93
3) Chlorodifluoromethane	2.95	51	55063	0.462 ppbv	98
4) Chloromethane	3.11	50	30804	0.460 ppbv #	75
5) Vinyl Chloride	3.23	62	28092	0.403 ppbv #	79
6) Bromomethane	3.44	94	19886	0.461 ppbv	83
7) Chloroethane	3.53	64	12171m	0.483 ppbv	
8) Dichlorotetrafluoroethane	3.15	85	89727	0.550 ppbv	93
9) Propene	2.97	41	14045m	0.338 ppbv	
10) Heptane	8.14	43	32774m	0.292 ppbv	
11) Trichlorofluoromethane	3.93	101	92575	0.536 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	61635	0.503 ppbv	97
13) Ethanol	3.59	45	8942m	0.529 ppbv	
14) Bromoethene	3.71	108	20466	0.409 ppbv #	82
15) Acetone	3.84	43	76452	0.533 ppbv	94
16) 1,3-Butadiene	3.30	39	20746	0.371 ppbv	94
17) tert-Butyl alcohol	4.29	59	59394	0.429 ppbv	97
18) 1,1-Dichloroethene	4.27	96	26670m	0.490 ppbv	
19) Isopropyl Alcohol	3.95	45	38298	0.405 ppbv #	77
20) Methylene Chloride	4.32	84	40884m	0.626 ppbv	
21) Allyl Chloride	4.40	41	35634	0.436 ppbv	94
22) trans-1,2-Dichloroethene	4.88	96	25766	0.493 ppbv #	77
23) Vinyl Acetate	5.07	43	46900m	0.325 ppbv	
24) 1,1-Dichloroethane	5.00	63	60562	0.450 ppbv	97
25) Ethyl Acetate	5.68	43	87324	0.390 ppbv #	96
26) Hexane	5.69	57	33198	0.328 ppbv #	65
27) Carbon Disulfide	4.53	76	58327	0.427 ppbv #	93
28) Methyl tert-Butyl Ether	5.04	73	44336	0.307 ppbv	92
29) Chloroform	5.75	83	80963	0.478 ppbv	94
30) Cyclohexane	7.17	84	24567m	0.340 ppbv	
31) cis-1,2-Dichloroethene	5.54	61	30671	0.348 ppbv #	82
32) 1,1,1-Trichloroethane	6.52	97	74462	0.429 ppbv	97
34) 2-Butanone	5.25	43	41190	0.297 ppbv	97
35) Carbon Tetrachloride	7.03	117	75750m	0.414 ppbv	
36) Benzene	6.90	78	55242m	0.291 ppbv	
37) 1,2-Dichloroethane	6.31	62	56046m	0.423 ppbv	
38) Trichloroethene	7.85	130	24724m	0.314 ppbv	
39) 1,2-Dichloropropane	7.63	63	28471m	0.376 ppbv	
40) 1,4-Dioxane	7.89	88	9879m	0.331 ppbv	
41) Tetrahydrofuran	6.07	42	16950m	0.249 ppbv	
42) Bromodichloromethane	7.81	83	75383m	0.426 ppbv	
43) Methyl Methacrylate	8.03	69	20173m	0.245 ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	95132	0.285	ppbv	# 86
45) t-1,3-Dichloropropene	9.30	75	19138m	0.231	ppbv	
46) cis-1,3-Dichloropropene	8.72	75	27083m	0.268	ppbv	
47) 1,1,2-Trichloroethane	9.51	97	38021m	0.425	ppbv	
48) Dibromochloromethane	10.34	129	52267	0.371	ppbv	99
49) Bromoform	13.09	173	45168m	0.357	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	51538m	0.256	ppbv	
51) 2-Hexanone	10.18	43	34528m	0.226	ppbv	
52) Tetrachloroethene	11.26	164	23150m	0.320	ppbv	
53) Toluene	9.84	91	45180m	0.224	ppbv	
54) 1,2-Dibromoethane	10.65	107	42888m	0.332	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.17	131	52076m	0.461	ppbv	
57) Chlorobenzene	12.19	112	84278m	0.456	ppbv	
58) Ethyl Benzene	12.75	91	65238m	0.251	ppbv	
59) m/p-Xylene	13.04	91	133618m	0.551	ppbv	
60) o-Xylene	13.74	91	65172m	0.269	ppbv	
61) Styrene	13.57	104	31583m	0.215	ppbv	
62) Isopropylbenzene	14.72	105	112546	0.313	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.73	83	89003m	0.428	ppbv	
64) n-propylbenzene	15.61	120	27292m	0.285	ppbv	
65) tert-Butylbenzene	16.80	119	89994m	0.276	ppbv	
66) Benzyl Chloride	17.04	91	45533	0.356	ppbv	# 91
67) sec-Butylbenzene	17.35	105	161735m	0.339	ppbv	
69) p-Isopropyltoluene	17.70	119	107990m	0.278	ppbv	
70) n-Butylbenzene	18.60	91	126340m	0.300	ppbv	
71) 2-Chlorotoluene	15.51	91	74777m	0.275	ppbv	
72) 4-Ethyltoluene	15.89	105	71233m	0.262	ppbv	
73) 1,3,5-Trimethylbenzene	16.04	105	74168	0.279	ppbv	95
74) 1,2,4-Trimethylbenzene	16.81	105	98706	0.319	ppbv	92
75) 1,3-Dichlorobenzene	17.05	146	96341	0.483	ppbv	95
76) 1,4-Dichlorobenzene	17.19	146	69939m	0.388	ppbv	
77) 1,2-Dichlorobenzene	17.88	146	66733m	0.373	ppbv	
78) Hexachloro-1,3-Butadiene	23.44	225	67353m	0.460	ppbv	
79) Naphthalene	22.27	128	60253m	0.245	ppbv	
80) Naphthalene, 2-methyl-	25.02	142	11948	0.150	ppbv	96
81) 1,2,4-Trichlorobenzene	22.01	180	43132m	0.288	ppbv	

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

