

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030121\
 Data File : VL036417.D
 Acq On : 1 Mar 2021 16:38
 Operator : SY/AP
 Sample : M1458-13 0.45LOD
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/2/2021 3:30:16 PM

Quant Time: Mar 02 06:05:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1791661	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.20	114	3784068	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.11	117	3389990	10.00	ppbv	0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2798973	10.04	ppbv	0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	125994	0.471	ppbv	99
3) Chlorodifluoromethane	3.00	51	108344	0.487	ppbv	98
4) Chloromethane	3.16	50	53670	0.499	ppbv	89
5) Vinyl Chloride	3.27	62	47916m	0.478	ppbv	
6) Bromomethane	3.49	94	26891m	0.452	ppbv	
7) Chloroethane	3.57	64	18203m	0.512	ppbv	
8) Dichlorotetrafluoroethane	3.20	85	119182	0.490	ppbv	91
9) Propene	3.02	41	41463	0.500	ppbv	94
10) Heptane	8.15	43	91196	0.373	ppbv	100
11) Trichlorofluoromethane	3.97	101	117587	0.449	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.50	101	80572	0.497	ppbv	96
13) Ethanol	3.65	45	18553m	1.190	ppbv	
14) Bromoethene	3.76	108	25126	0.370	ppbv #	76
15) Acetone	3.88	43	120615	0.551	ppbv #	88
16) 1,3-Butadiene	3.34	39	46768	0.447	ppbv	96
17) tert-Butyl alcohol	4.32	59	70686m	0.416	ppbv	
18) 1,1-Dichloroethene	4.31	96	32629m	0.443	ppbv	
19) Isopropyl Alcohol	3.99	45	56556m	0.466	ppbv	
20) Methylene Chloride	4.36	84	38675m	0.547	ppbv	
21) Allyl Chloride	4.43	41	49465	0.406	ppbv	97
22) trans-1,2-Dichloroethene	4.90	96	26968m	0.403	ppbv	
23) Vinyl Acetate	5.09	43	77706	0.302	ppbv #	87
24) 1,1-Dichloroethane	5.03	63	83467	0.438	ppbv #	94
25) Ethyl Acetate	5.71	43	168021	0.397	ppbv	97
26) Hexane	5.70	57	67717	0.390	ppbv #	83
27) Carbon Disulfide	4.57	76	62316m	0.390	ppbv	
28) Methyl tert-Butyl Ether	5.06	73	90230m	0.398	ppbv	
29) Chloroform	5.77	83	123317	0.441	ppbv	98
30) Cyclohexane	7.15	84	65640m	0.454	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	60946m	0.355	ppbv	
32) 1,1,1-Trichloroethane	6.53	97	111188	0.425	ppbv	95
34) 2-Butanone	5.28	43	109881m	0.437	ppbv	
35) Carbon Tetrachloride	7.04	117	115283	0.455	ppbv #	88
36) Benzene	6.91	78	129545	0.403	ppbv	92
37) 1,2-Dichloroethane	6.32	62	91564	0.461	ppbv #	96
38) Trichloroethene	7.86	130	53772m	0.467	ppbv	
39) 1,2-Dichloropropane	7.64	63	61753m	0.473	ppbv	
40) 1,4-Dioxane	7.91	88	22867m	0.505	ppbv	
41) Tetrahydrofuran	6.09	42	51551m	0.367	ppbv	
42) Bromodichloromethane	7.81	83	119256	0.448	ppbv #	94
43) Methyl Methacrylate	8.04	69	47259m	0.349	ppbv	

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44) 2,2,4-Trimethylpentane	7.89	57	252767	0.432	ppbv	92
45) t-1,3-Dichloropropene	9.30	75	31528	0.241	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	59480m	0.358	ppbv	
47) 1,1,2-Trichloroethane	9.50	97	62924m	0.471	ppbv	
48) Dibromochloromethane	10.33	129	78765	0.395	ppbv	96
49) Bromoform	13.06	173	62510m	0.388	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	145528m	0.390	ppbv	
51) 2-Hexanone	10.18	43	90215m	0.318	ppbv	
52) Tetrachloroethene	11.25	164	49781m	0.423	ppbv	
53) Toluene	9.83	91	120350	0.346	ppbv	99
54) 1,2-Dibromoethane	10.64	107	82367	0.427	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	74698	0.479	ppbv #	1
57) Chlorobenzene	12.17	112	132288m	0.505	ppbv	
58) Ethyl Benzene	12.74	91	174802	0.377	ppbv	96
59) m/p-Xylene	13.02	91	333946m	0.819	ppbv	
60) o-Xylene	13.72	91	175276m	0.450	ppbv	
61) Styrene	13.55	104	66530	0.275	ppbv	90
62) Isopropylbenzene	14.69	105	263904	0.452	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	147741	0.480	ppbv	100
64) n-propylbenzene	15.59	120	58016	0.403	ppbv	66
65) tert-Butylbenzene	16.77	119	206198	0.412	ppbv	89
66) Benzyl Chloride	17.02	91	49717m	0.366	ppbv	
67) sec-Butylbenzene	17.33	105	298060	0.413	ppbv	99
69) p-Isopropyltoluene	17.68	119	222614m	0.400	ppbv	
70) n-Butylbenzene	18.58	91	244068m	0.408	ppbv	
71) 2-Chlorotoluene	15.48	91	185534m	0.414	ppbv	
72) 4-Ethyltoluene	15.86	105	168466m	0.388	ppbv	
73) 1,3,5-Trimethylbenzene	16.03	105	154690	0.368	ppbv	94
74) 1,2,4-Trimethylbenzene	16.79	105	196694	0.458	ppbv	98
75) 1,3-Dichlorobenzene	17.02	146	118025m	0.506	ppbv	
76) 1,4-Dichlorobenzene	17.16	146	114767m	0.474	ppbv	
77) 1,2-Dichlorobenzene	17.85	146	109598m	0.474	ppbv	
78) Hexachloro-1,3-Butadiene	23.41	225	94527	0.500	ppbv	93
79) Naphthalene	22.24	128	55886m	0.220	ppbv	
80) Naphthalene,2-methyl-	25.08	142	6392m	0.136	ppbv	
81) 1,2,4-Trichlorobenzene	21.97	180	44572m	0.287	ppbv	

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

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