

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022521\
 Data File : VL036390.D
 Acq On : 25 Feb 2021 20:43
 Operator : SY/AP
 Sample : M1458-13 0.4LOD
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:03:11 AM

Quant Time: Feb 26 15:58:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 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	5.65	49	1513930	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3270101	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3045799	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2523460	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	130968	0.580	ppbv	96
3) Chlorodifluoromethane	2.97	51	96890	0.515	ppbv	99
4) Chloromethane	3.12	50	47251m	0.520	ppbv	
5) Vinyl Chloride	3.24	62	38182	0.451	ppbv #	86
6) Bromomethane	3.46	94	21968	0.437	ppbv	94
7) Chloroethane	3.54	64	12632	0.420	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	102830	0.500	ppbv	93
9) Propene	3.00	41	42967m	0.613	ppbv	
10) Heptane	8.10	43	84188m	0.407	ppbv	
11) Trichlorofluoromethane	3.93	101	111455	0.504	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.47	101	66614	0.486	ppbv	98
13) Ethanol	3.61	45	7632m	0.579	ppbv	
14) Bromoethene	3.73	108	24209	0.422	ppbv #	93
15) Acetone	3.85	43	102288	0.553	ppbv #	88
16) 1,3-Butadiene	3.31	39	49059m	0.554	ppbv	
17) tert-Butyl alcohol	4.30	59	64464m	0.449	ppbv	
18) 1,1-Dichloroethene	4.27	96	30339m	0.487	ppbv	
19) Isopropyl Alcohol	3.97	45	49834m	0.486	ppbv	
20) Methylene Chloride	4.33	84	31901	0.534	ppbv #	85
21) Allyl Chloride	4.39	41	40393	0.392	ppbv	92
22) trans-1,2-Dichloroethene	4.87	96	23915	0.423	ppbv #	81
23) Vinyl Acetate	5.06	43	96539m	0.444	ppbv	
24) 1,1-Dichloroethane	4.99	63	80551m	0.501	ppbv	
25) Ethyl Acetate	5.67	43	142881	0.400	ppbv #	93
26) Hexane	5.67	57	58684	0.400	ppbv #	79
27) Carbon Disulfide	4.53	76	52353m	0.388	ppbv	
28) Methyl tert-Butyl Ether	5.03	73	78728m	0.411	ppbv	
29) Chloroform	5.73	83	114434	0.484	ppbv	98
30) Cyclohexane	7.11	84	55736m	0.457	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	55904	0.385	ppbv #	90
32) 1,1,1-Trichloroethane	6.49	97	103732	0.469	ppbv	96
34) 2-Butanone	5.24	43	71426	0.329	ppbv #	83
35) Carbon Tetrachloride	7.00	117	99282	0.453	ppbv #	94
36) Benzene	6.87	78	111112m	0.400	ppbv	
37) 1,2-Dichloroethane	6.29	62	79253	0.461	ppbv #	94
38) Trichloroethene	7.82	130	43497m	0.437	ppbv	
39) 1,2-Dichloropropane	7.60	63	58768m	0.521	ppbv	
40) 1,4-Dioxane	7.86	88	19887m	0.509	ppbv	
41) Tetrahydrofuran	6.07	42	41183m	0.340	ppbv	
42) Bromodichloromethane	7.77	83	98204	0.427	ppbv #	94
43) Methyl Methacrylate	8.00	69	35617	0.304	ppbv #	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	219684	0.435	ppbv	90
45) t-1,3-Dichloropropene	9.25	75	33345m	0.295	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	39157	0.273	ppbv #	84
47) 1,1,2-Trichloroethane	9.45	97	55354m	0.479	ppbv	
48) Dibromochloromethane	10.29	129	66713	0.387	ppbv	95
49) Bromoform	13.02	173	55754m	0.400	ppbv	
50) 4-Methyl-2-Pentanone	8.74	43	110192	0.342	ppbv	97
51) 2-Hexanone	10.13	43	77799m	0.317	ppbv	
52) Tetrachloroethene	11.21	164	43570m	0.428	ppbv	
53) Toluene	9.79	91	103695	0.345	ppbv	95
54) 1,2-Dibromoethane	10.59	107	73499m	0.440	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	65916	0.471	ppbv #	1
57) Chlorobenzene	12.13	112	117180	0.498	ppbv #	85
58) Ethyl Benzene	12.70	91	148712m	0.357	ppbv	
59) m/p-Xylene	12.98	91	284977m	0.778	ppbv	
60) o-Xylene	13.67	91	144135	0.412	ppbv	97
61) Styrene	13.52	104	64143m	0.295	ppbv	
62) Isopropylbenzene	14.65	105	232061m	0.442	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.66	83	121948	0.441	ppbv	87
64) n-propylbenzene	15.55	120	46312m	0.358	ppbv	
65) tert-Butylbenzene	16.73	119	165316	0.368	ppbv	84
66) Benzyl Chloride	16.98	91	37581m	0.308	ppbv	
67) sec-Butylbenzene	17.28	105	238673	0.368	ppbv	95
69) p-Isopropyltoluene	17.64	119	181809m	0.363	ppbv	
70) n-Butylbenzene	18.54	91	164317	0.306	ppbv	95
71) 2-Chlorotoluene	15.44	91	154876	0.385	ppbv	95
72) 4-Ethyltoluene	15.83	105	141443	0.363	ppbv	96
73) 1,3,5-Trimethylbenzene	15.99	105	128195	0.339	ppbv	94
74) 1,2,4-Trimethylbenzene	16.74	105	146200	0.379	ppbv #	83
75) 1,3-Dichlorobenzene	16.98	146	101174m	0.483	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	91117m	0.419	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	92162m	0.444	ppbv	
78) Hexachloro-1,3-Butadiene	23.37	225	85776m	0.505	ppbv	
79) Naphthalene	22.19	128	40424m	0.177	ppbv	
80) Naphthalene, 2-methyl-	25.03	142	3673m	0.087	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	37737m	0.270	ppbv	

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

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