

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030221\
 Data File : VL036428.D
 Acq On : 2 Mar 2021 14:13
 Operator : SY/AP
 Sample : M1458-15 0.40
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 MDL-AIR-01-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/3/2021 1:52:33 PM

Quant Time: Mar 03 12:52:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10
 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	1597515	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3559777	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3191344	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2551602	9.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	133408	0.560 ppbv	91
3) Chlorodifluoromethane	2.98	51	95190	0.480 ppbv	95
4) Chloromethane	3.13	50	45624	0.476 ppbv	96
5) Vinyl Chloride	3.25	62	37693	0.422 ppbv	95
6) Bromomethane	3.46	94	26886m	0.507 ppbv	
7) Chloroethane	3.55	64	16096m	0.508 ppbv	
8) Dichlorotetrafluoroethane	3.18	85	98005	0.452 ppbv	89
9) Propene	3.01	41	39377m	0.532 ppbv	
10) Heptane	8.11	43	69170	0.317 ppbv #	83
11) Trichlorofluoromethane	3.94	101	107981	0.463 ppbv	89
12) 1,1,2-Trichlorotrifluoroet	4.47	101	66552	0.460 ppbv	95
13) Ethanol	3.61	45	8214m	0.591 ppbv	
14) Bromoethene	3.73	108	25945m	0.429 ppbv	
15) Acetone	3.85	43	101040	0.517 ppbv #	79
16) 1,3-Butadiene	3.32	39	41624m	0.446 ppbv	
17) tert-Butyl alcohol	4.29	59	64350m	0.425 ppbv	
18) 1,1-Dichloroethene	4.28	96	26788	0.408 ppbv	99
19) Isopropyl Alcohol	3.97	45	41451m	0.383 ppbv	
20) Methylene Chloride	4.33	84	26961	0.428 ppbv #	67
21) Allyl Chloride	4.40	41	47373m	0.436 ppbv	
22) trans-1,2-Dichloroethene	4.88	96	27723m	0.464 ppbv	
23) Vinyl Acetate	5.07	43	80706m	0.351 ppbv	
24) 1,1-Dichloroethane	5.00	63	72328	0.426 ppbv	98
25) Ethyl Acetate	5.67	43	145026	0.385 ppbv	97
26) Hexane	5.67	57	61358m	0.396 ppbv	
27) Carbon Disulfide	4.54	76	52194m	0.367 ppbv	
28) Methyl tert-Butyl Ether	5.03	73	72458	0.358 ppbv	97
29) Chloroform	5.74	83	113379	0.454 ppbv	96
30) Cyclohexane	7.11	84	50176m	0.390 ppbv	
31) cis-1,2-Dichloroethene	5.54	61	53809m	0.351 ppbv	
32) 1,1,1-Trichloroethane	6.50	97	103838m	0.445 ppbv	
34) 2-Butanone	5.24	43	88236m	0.373 ppbv	
35) Carbon Tetrachloride	7.00	117	92302	0.387 ppbv	92
36) Benzene	6.88	78	111340	0.368 ppbv #	92
37) 1,2-Dichloroethane	6.29	62	74606	0.399 ppbv #	96
38) Trichloroethene	7.83	130	42177m	0.389 ppbv	
39) 1,2-Dichloropropane	7.60	63	43282	0.352 ppbv #	84
40) 1,4-Dioxane	7.87	88	17520m	0.412 ppbv	
41) Tetrahydrofuran	6.06	42	40025m	0.303 ppbv	
42) Bromodichloromethane	7.78	83	100423m	0.401 ppbv	
43) Methyl Methacrylate	8.01	69	39843m	0.312 ppbv	

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44) 2,2,4-Trimethylpentane	7.86	57	212762m	0.387	ppbv	
45) t-1,3-Dichloropropene	9.27	75	32572m	0.265	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	49337m	0.316	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	53903m	0.429	ppbv	
48) Dibromochloromethane	10.29	129	67601m	0.360	ppbv	
49) Bromoform	13.02	173	49851	0.329	ppbv	96
50) 4-Methyl-2-Pentanone	8.74	43	121928m	0.347	ppbv	
51) 2-Hexanone	10.15	43	76838m	0.288	ppbv	
52) Tetrachloroethene	11.21	164	40940m	0.370	ppbv	
53) Toluene	9.80	91	101526m	0.310	ppbv	
54) 1,2-Dibromoethane	10.59	107	72946m	0.402	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.12	131	71333m	0.486	ppbv	
57) Chlorobenzene	12.13	112	117421	0.476	ppbv #	94
58) Ethyl Benzene	12.70	91	146413	0.335	ppbv	98
59) m/p-Xylene	12.99	91	281108m	0.732	ppbv	
60) o-Xylene	13.68	91	133236	0.363	ppbv	95
61) Styrene	13.52	104	60917m	0.268	ppbv	
62) Isopropylbenzene	14.66	105	217223	0.395	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.67	83	123719m	0.427	ppbv	
64) n-propylbenzene	15.55	120	47748m	0.353	ppbv	
65) tert-Butylbenzene	16.73	119	170929m	0.363	ppbv	
66) Benzyl Chloride	16.97	91	44564m	0.348	ppbv	
67) sec-Butylbenzene	17.28	105	245656	0.362	ppbv	100
69) p-Isopropyltoluene	17.64	119	186775m	0.356	ppbv	
70) n-Butylbenzene	18.55	91	191026m	0.340	ppbv	
71) 2-Chlorotoluene	15.45	91	155651m	0.369	ppbv	
72) 4-Ethyltoluene	15.83	105	127880	0.313	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.99	105	124331	0.314	ppbv	94
74) 1,2,4-Trimethylbenzene	16.75	105	153733m	0.380	ppbv	
75) 1,3-Dichlorobenzene	16.99	146	96430m	0.440	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	84462m	0.371	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	87971m	0.404	ppbv	
78) Hexachloro-1,3-Butadiene	23.37	225	82777m	0.466	ppbv	
79) Naphthalene	22.21	128	39808m	0.166	ppbv	
80) Naphthalene, 2-methyl-	25.04	142	1979m	0.045	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	32472m	0.222	ppbv	

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

