

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL022521\
 Data File : VL036387.D
 Acq On : 25 Feb 2021 18:53
 Operator : SY/AP
 Sample : M1458-14 0.5L0Q
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-01-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/1/2021 10:02:57 AM

Quant Time: Feb 26 15:52:28 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	1549244	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3419415	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3113668	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2588120	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	145509	0.629	ppbv	96
3) Chlorodifluoromethane	2.98	51	124438	0.646	ppbv	98
4) Chloromethane	3.13	50	53738	0.578	ppbv #	86
5) Vinyl Chloride	3.25	62	41641	0.481	ppbv	93
6) Bromomethane	3.46	94	29462m	0.572	ppbv	
7) Chloroethane	3.55	64	17746	0.577	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	133739	0.636	ppbv	95
9) Propene	3.00	41	42559	0.593	ppbv	84
10) Heptane	8.11	43	107517m	0.508	ppbv	
11) Trichlorofluoromethane	3.94	101	145307m	0.642	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.47	101	88415	0.630	ppbv	96
13) Ethanol	3.60	45	8358m	0.620	ppbv	
14) Bromoethene	3.73	108	31699m	0.540	ppbv	
15) Acetone	3.85	43	117561m	0.621	ppbv	
16) 1,3-Butadiene	3.31	39	43091	0.476	ppbv	99
17) tert-Butyl alcohol	4.29	59	82569m	0.562	ppbv	
18) 1,1-Dichloroethene	4.28	96	35861m	0.563	ppbv	
19) Isopropyl Alcohol	3.96	45	67537m	0.644	ppbv	
20) Methylene Chloride	4.33	84	35632	0.583	ppbv	93
21) Allyl Chloride	4.40	41	51770	0.491	ppbv	91
22) trans-1,2-Dichloroethene	4.87	96	33656m	0.581	ppbv	
23) Vinyl Acetate	5.06	43	104325	0.469	ppbv #	93
24) 1,1-Dichloroethane	5.00	63	92628	0.562	ppbv	99
25) Ethyl Acetate	5.66	43	197345	0.540	ppbv #	97
26) Hexane	5.67	57	74174	0.494	ppbv #	75
27) Carbon Disulfide	4.54	76	68398m	0.495	ppbv	
28) Methyl tert-Butyl Ether	5.02	73	97559	0.497	ppbv	99
29) Chloroform	5.73	83	144872	0.599	ppbv	94
30) Cyclohexane	7.11	84	66522m	0.532	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	65431	0.440	ppbv #	89
32) 1,1,1-Trichloroethane	6.49	97	133486	0.590	ppbv	99
34) 2-Butanone	5.25	43	127046m	0.559	ppbv	
35) Carbon Tetrachloride	7.00	117	129026	0.563	ppbv	91
36) Benzene	6.87	78	147738	0.509	ppbv #	90
37) 1,2-Dichloroethane	6.29	62	100933	0.562	ppbv	98
38) Trichloroethene	7.82	130	55367m	0.532	ppbv	
39) 1,2-Dichloropropane	7.59	63	66467	0.563	ppbv	93
40) 1,4-Dioxane	7.85	88	23948m	0.586	ppbv	
41) Tetrahydrofuran	6.05	42	44576	0.352	ppbv	90
42) Bromodichloromethane	7.78	83	135782	0.565	ppbv #	98
43) Methyl Methacrylate	8.01	69	54663m	0.446	ppbv	

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44) 2,2,4-Trimethylpentane	7.85	57	291610	0.552	ppbv	93
45) t-1,3-Dichloropropene	9.27	75	47946m	0.406	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	61880m	0.412	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	74403m	0.616	ppbv	
48) Dibromochloromethane	10.29	129	89544m	0.497	ppbv	
49) Bromoform	13.02	173	71692m	0.492	ppbv	
50) 4-Methyl-2-Pentanone	8.74	43	164246m	0.487	ppbv	
51) 2-Hexanone	10.14	43	114181m	0.446	ppbv	
52) Tetrachloroethene	11.20	164	54524m	0.513	ppbv	
53) Toluene	9.79	91	134404	0.427	ppbv	97
54) 1,2-Dibromoethane	10.60	107	94443m	0.541	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	88980m	0.621	ppbv	
57) Chlorobenzene	12.13	112	149261	0.620	ppbv	97
58) Ethyl Benzene	12.70	91	196461	0.461	ppbv	92
59) m/p-Xylene	12.98	91	390144m	1.042	ppbv	
60) o-Xylene	13.67	91	194087	0.542	ppbv	99
61) Styrene	13.51	104	86797m	0.391	ppbv	
62) Isopropylbenzene	14.65	105	302950	0.564	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	168010	0.595	ppbv	96
64) n-propylbenzene	15.54	120	69758	0.528	ppbv	73
65) tert-Butylbenzene	16.74	119	246387m	0.537	ppbv	
66) Benzyl Chloride	16.98	91	56752m	0.455	ppbv	
67) sec-Butylbenzene	17.28	105	366453	0.553	ppbv	100
69) p-Isopropyltoluene	17.64	119	254211	0.497	ppbv	96
70) n-Butylbenzene	18.54	91	264550	0.482	ppbv	98
71) 2-Chlorotoluene	15.44	91	208520	0.507	ppbv	100
72) 4-Ethyltoluene	15.83	105	198846m	0.499	ppbv	
73) 1,3,5-Trimethylbenzene	15.99	105	200905m	0.520	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	221456m	0.562	ppbv	
75) 1,3-Dichlorobenzene	16.98	146	121495	0.568	ppbv	93
76) 1,4-Dichlorobenzene	17.12	146	108419	0.488	ppbv	89
77) 1,2-Dichlorobenzene	17.81	146	124536m	0.586	ppbv	
78) Hexachloro-1,3-Butadiene	23.37	225	108783m	0.627	ppbv	
79) Naphthalene	22.19	128	78001m	0.334	ppbv	
80) Naphthalene, 2-methyl-	25.09	142	6857m	0.158	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	62035m	0.435	ppbv	

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

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