

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036965.D
 Acq On : 18 May 2021 12:38
 Operator : SY/AP
 Sample : M2262-13 0.4
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:55:06 PM

Quant Time: May 19 03:44:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1230032	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3670358	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3413730	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2565500	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	99837	0.478	ppbv	93
3) Chlorodifluoromethane	2.97	51	105195	0.467	ppbv	99
4) Chloromethane	3.12	50	34863m	0.455	ppbv	
5) Vinyl Chloride	3.24	62	35301m	0.421	ppbv	
6) Bromomethane	3.46	94	16051	0.363	ppbv	90
7) Chloroethane	3.54	64	12079m	0.444	ppbv	
8) Dichlorotetrafluoroethane	3.17	85	83421	0.426	ppbv	89
9) Propene	2.99	41	41420	0.513	ppbv	99
10) Heptane	8.10	43	87828	0.437	ppbv	98
11) Trichlorofluoromethane	3.93	101	89495	0.463	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.47	101	60585	0.440	ppbv	97
13) Ethanol	3.61	45	9543m	0.886	ppbv	
14) Bromoethene	3.72	108	23137	0.382	ppbv #	83
15) Acetone	3.86	43	69419m	0.551	ppbv	
16) 1,3-Butadiene	3.31	39	28918	0.369	ppbv	87
17) tert-Butyl alcohol	4.32	59	53039m	0.460	ppbv	
18) 1,1-Dichloroethene	4.27	96	26934	0.423	ppbv	88
19) Isopropyl Alcohol	3.99	45	36597m	0.540	ppbv	
20) Methylene Chloride	4.33	84	30065	0.445	ppbv	96
21) Allyl Chloride	4.39	41	31251	0.329	ppbv #	68
22) trans-1,2-Dichloroethene	4.87	96	25128m	0.412	ppbv	
23) Vinyl Acetate	5.07	43	77396m	0.387	ppbv	
24) 1,1-Dichloroethane	4.99	63	54147	0.376	ppbv	98
25) Ethyl Acetate	5.66	43	128156m	0.423	ppbv	
26) Hexane	5.66	57	61400	0.397	ppbv #	86
27) Carbon Disulfide	4.53	76	54553	0.350	ppbv #	96
28) Methyl tert-Butyl Ether	5.03	73	71124	0.384	ppbv	99
29) Chloroform	5.73	83	100894	0.462	ppbv	90
30) Cyclohexane	7.11	84	62860m	0.478	ppbv	
31) cis-1,2-Dichloroethene	5.52	61	55586	0.401	ppbv	91
32) 1,1,1-Trichloroethane	6.49	97	89429	0.381	ppbv	94
34) 2-Butanone	5.25	43	64237m	0.481	ppbv	
35) Carbon Tetrachloride	7.00	117	91889	0.377	ppbv	93
36) Benzene	6.86	78	137081	0.434	ppbv	96
37) 1,2-Dichloroethane	6.29	62	62295	0.397	ppbv	97
38) Trichloroethene	7.81	130	51081	0.378	ppbv	92
39) 1,2-Dichloropropane	7.58	63	53277m	0.437	ppbv	
40) 1,4-Dioxane	7.87	88	17301m	0.602	ppbv	
41) Tetrahydrofuran	6.06	42	28621m	0.376	ppbv	
42) Bromodichloromethane	7.76	83	87566	0.369	ppbv #	95
43) Methyl Methacrylate	8.00	69	39194	0.360	ppbv	99

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44) 2,2,4-Trimethylpentane	7.84	57	235924	0.435	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	25478m	0.306	ppbv	
46) cis-1,3-Dichloropropene	8.68	75	33798	0.302	ppbv	94
47) 1,1,2-Trichloroethane	9.46	97	51716	0.406	ppbv	90
48) Dibromochloromethane	10.28	129	67478	0.327	ppbv	97
49) Bromoform	13.01	173	47979	0.281	ppbv	93
50) 4-Methyl-2-Pentanone	8.75	43	74120	0.336	ppbv #	84
51) 2-Hexanone	10.15	43	44707m	0.383	ppbv	
52) Tetrachloroethene	11.20	164	55164	0.439	ppbv	96
53) Toluene	9.78	91	160503	0.427	ppbv	98
54) 1,2-Dibromoethane	10.59	107	73815m	0.407	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.10	131	55946	0.389	ppbv #	1
57) Chlorobenzene	12.12	112	116404	0.440	ppbv #	92
58) Ethyl Benzene	12.68	91	208391	0.433	ppbv	94
59) m/p-Xylene	12.96	91	354212m	0.889	ppbv	
60) o-Xylene	13.67	91	169397m	0.446	ppbv	
61) Styrene	13.50	104	76946	0.360	ppbv	90
62) Isopropylbenzene	14.64	105	233866	0.428	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	106873m	0.377	ppbv	
64) n-propylbenzene	15.54	120	55182	0.392	ppbv #	57
65) tert-Butylbenzene	16.72	119	216044	0.439	ppbv	95
66) Benzyl Chloride	16.98	91	7155m	0.262	ppbv	
67) sec-Butylbenzene	17.27	105	280136	0.417	ppbv	100
69) p-Isopropyltoluene	17.63	119	234105	0.405	ppbv	97
70) n-Butylbenzene	18.53	91	219199	0.399	ppbv	97
71) 2-Chlorotoluene	15.42	91	174336	0.442	ppbv	100
72) 4-Ethyltoluene	15.81	105	181228	0.402	ppbv	96
73) 1,3,5-Trimethylbenzene	15.98	105	172452	0.407	ppbv	89
74) 1,2,4-Trimethylbenzene	16.73	105	188998m	0.432	ppbv	
75) 1,3-Dichlorobenzene	16.97	146	108332	0.405	ppbv	92
76) 1,4-Dichlorobenzene	17.11	146	105634	0.391	ppbv	95
77) 1,2-Dichlorobenzene	17.80	146	104579	0.390	ppbv	89
78) Hexachloro-1,3-Butadiene	23.36	225	94343	0.438	ppbv	95
79) Naphthalene	22.18	128	108522m	0.316	ppbv	
80) Naphthalene, 2-methyl-	25.02	142	23806m	0.319	ppbv	
81) 1,2,4-Trichlorobenzene	21.90	180	70299	0.336	ppbv	94

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

