

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037480.D
 Acq On : 17 Aug 2021 3:11
 Operator : SY/AP
 Sample : M2940-13 0.1 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:59:50 PM

Quant Time: Aug 17 11:51:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1345166	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4043899	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3449135	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2483550	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.04	85	33038	0.153	ppbv	90
3) Chlorodifluoromethane	2.99	51	36779	0.143	ppbv	100
4) Chloromethane	3.14	50	12801m	0.139	ppbv	
5) Vinyl Chloride	3.25	62	9803m	0.104	ppbv	
6) Bromomethane	3.46	94	9163m	0.177	ppbv	
7) Chloroethane	3.55	64	3922m	0.122	ppbv	
8) Dichlorotetrafluoroethane	3.18	85	28900	0.130	ppbv	97
9) Propene	3.00	41	20122m	0.218	ppbv	
10) Heptane	8.11	43	19429m	0.092	ppbv	
11) Trichlorofluoromethane	3.94	101	23732	0.117	ppbv #	78
12) 1,1,2-Trichlorotrifluoroet	4.47	101	18018m	0.121	ppbv	
13) Ethanol	3.62	45	1568m	0.175	ppbv	
14) Bromoethene	3.73	108	8423m	0.125	ppbv	
15) Acetone	3.87	43	43400m	0.317	ppbv	
16) 1,3-Butadiene	3.31	39	11848m	0.135	ppbv	
17) tert-Butyl alcohol	4.33	59	16836m	0.135	ppbv	
18) 1,1-Dichloroethene	4.28	96	10039m	0.149	ppbv	
19) Isopropyl Alcohol	4.02	45	12004m	0.153	ppbv	
20) Methylene Chloride	4.33	84	15279	0.223	ppbv #	78
21) Allyl Chloride	4.40	41	14313m	0.129	ppbv	
22) trans-1,2-Dichloroethene	4.88	96	7014m	0.104	ppbv	
23) Vinyl Acetate	5.07	43	32981m	0.163	ppbv	
24) 1,1-Dichloroethane	5.00	63	23685m	0.162	ppbv	
25) Ethyl Acetate	5.67	43	37103m	0.107	ppbv	
26) Hexane	5.67	57	17248	0.102	ppbv #	89
27) Carbon Disulfide	4.53	76	13997m	0.092	ppbv	
28) Methyl tert-Butyl Ether	5.04	73	19649m	0.120	ppbv	
29) Chloroform	5.74	83	32712m	0.136	ppbv	
30) Cyclohexane	7.13	84	25423m	0.180	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	16448m	0.107	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	26546m	0.112	ppbv	
34) 2-Butanone	5.27	43	28111m	0.170	ppbv	
35) Carbon Tetrachloride	7.00	117	26475m	0.111	ppbv	
36) Benzene	6.87	78	34267m	0.101	ppbv	
37) 1,2-Dichloroethane	6.29	62	20097m	0.119	ppbv	
38) Trichloroethene	7.82	130	16935m	0.121	ppbv	
39) 1,2-Dichloropropane	7.60	63	19863m	0.152	ppbv	
40) 1,4-Dioxane	7.90	88	4383m	0.137	ppbv	
41) Tetrahydrofuran	6.07	42	7606m	0.096	ppbv	
42) Bromodichloromethane	7.77	83	24991m	0.101	ppbv	
43) Methyl Methacrylate	8.01	69	10244m	0.086	ppbv	

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44) 2,2,4-Trimethylpentane	7.85	57	54973m	0.096	ppbv	
45) t-1,3-Dichloropropene	9.25	75	6253m	0.070	ppbv	
46) cis-1,3-Dichloropropene	8.68	75	8332m	0.067	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	15608m	0.111	ppbv	
48) Dibromochloromethane	10.28	129	16478m	0.081	ppbv	
49) Bromoform	13.02	173	10239m	0.064	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	19361m	0.090	ppbv	
51) 2-Hexanone	10.18	43	7333m	0.074	ppbv	
52) Tetrachloroethene	11.21	164	15343m	0.110	ppbv	
53) Toluene	9.80	91	30633m	0.079	ppbv	
54) 1,2-Dibromoethane	10.60	107	21531m	0.109	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.10	131	16100m	0.112	ppbv	
57) Chlorobenzene	12.13	112	38330m	0.134	ppbv	
58) Ethyl Benzene	12.70	91	39273m	0.082	ppbv	
59) m/p-Xylene	12.98	91	66005m	0.159	ppbv	
60) o-Xylene	13.67	91	40240m	0.104	ppbv	
61) Styrene	13.52	104	12107m	0.060	ppbv	
62) Isopropylbenzene	14.65	105	56920m	0.104	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.66	83	34154m	0.119	ppbv	
64) n-propylbenzene	15.55	120	12243m	0.088	ppbv	
65) tert-Butylbenzene	16.73	119	43489m	0.087	ppbv	
66) Benzyl Chloride	16.98	91	2946m	0.131	ppbv	
67) sec-Butylbenzene	17.28	105	68648m	0.099	ppbv	
69) p-Isopropyltoluene	17.64	119	43801m	0.077	ppbv	
70) n-Butylbenzene	18.54	91	39197m	0.072	ppbv	
71) 2-Chlorotoluene	15.44	91	35599m	0.089	ppbv	
72) 4-Ethyltoluene	15.82	105	37181m	0.081	ppbv	
73) 1,3,5-Trimethylbenzene	15.98	105	36961m	0.086	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	41027m	0.090	ppbv	
75) 1,3-Dichlorobenzene	16.98	146	34602m	0.126	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	32453m	0.117	ppbv	
77) 1,2-Dichlorobenzene	17.80	146	31640m	0.117	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	29999m	0.134	ppbv	
79) Naphthalene	22.18	128	14770m	0.048	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	14199m	0.074	ppbv	

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

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