

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037482.D
 Acq On : 17 Aug 2021 4:28
 Operator : SY/AP
 Sample : M2940-13 0.45
 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 5:59:55 PM

Quant Time: Aug 17 12:45:26 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	1373594	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4126076	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3577291	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2614294	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	122752	0.557	ppbv	94
3) Chlorodifluoromethane	2.98	51	136131	0.518	ppbv	98
4) Chloromethane	3.13	50	45612	0.485	ppbv #	83
5) Vinyl Chloride	3.25	62	44375	0.461	ppbv	98
6) Bromomethane	3.46	94	26716m	0.506	ppbv	
7) Chloroethane	3.55	64	18007m	0.548	ppbv	
8) Dichlorotetrafluoroethane	3.18	85	110685	0.486	ppbv	91
9) Propene	3.00	41	44743m	0.475	ppbv	
10) Heptane	8.10	43	80290	0.371	ppbv #	85
11) Trichlorofluoromethane	3.93	101	101130	0.489	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	74724m	0.492	ppbv	
13) Ethanol	3.62	45	5136m	0.561	ppbv	
14) Bromoethene	3.74	108	32420m	0.470	ppbv	
15) Acetone	3.86	43	70890	0.507	ppbv #	52
16) 1,3-Butadiene	3.32	39	45955m	0.512	ppbv	
17) tert-Butyl alcohol	4.32	59	66470m	0.521	ppbv	
18) 1,1-Dichloroethene	4.28	96	33610m	0.487	ppbv	
19) Isopropyl Alcohol	3.98	45	39924m	0.499	ppbv	
20) Methylene Chloride	4.33	84	40873m	0.584	ppbv	
21) Allyl Chloride	4.40	41	55174m	0.486	ppbv	
22) trans-1,2-Dichloroethene	4.87	96	31198m	0.453	ppbv	
23) Vinyl Acetate	5.07	43	93606m	0.454	ppbv	
24) 1,1-Dichloroethane	4.99	63	79327	0.531	ppbv	97
25) Ethyl Acetate	5.68	43	164014m	0.462	ppbv	
26) Hexane	5.68	57	79864m	0.460	ppbv	
27) Carbon Disulfide	4.54	76	53281m	0.345	ppbv	
28) Methyl tert-Butyl Ether	5.04	73	81443	0.489	ppbv	98
29) Chloroform	5.74	83	126460m	0.514	ppbv	
30) Cyclohexane	7.11	84	67268m	0.465	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	69670m	0.444	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	107138	0.443	ppbv	95
34) 2-Butanone	5.25	43	83815m	0.497	ppbv	
35) Carbon Tetrachloride	7.00	117	101862m	0.418	ppbv	
36) Benzene	6.88	78	141439	0.408	ppbv #	94
37) 1,2-Dichloroethane	6.29	62	81375	0.474	ppbv	99
38) Trichloroethene	7.82	130	61362m	0.431	ppbv	
39) 1,2-Dichloropropane	7.60	63	65466m	0.491	ppbv	
40) 1,4-Dioxane	7.87	88	14598m	0.447	ppbv	
41) Tetrahydrofuran	6.07	42	29873m	0.368	ppbv	
42) Bromodichloromethane	7.77	83	101712	0.405	ppbv	88
43) Methyl Methacrylate	8.01	69	42257m	0.350	ppbv	

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44) 2,2,4-Trimethylpentane	7.85	57	238448	0.408	ppbv	94
45) t-1,3-Dichloropropene	9.27	75	28745m	0.316	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	39841m	0.314	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	62472m	0.434	ppbv	
48) Dibromochloromethane	10.28	129	76726m	0.370	ppbv	
49) Bromoform	13.02	173	52858m	0.324	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	76906m	0.350	ppbv	
51) 2-Hexanone	10.15	43	35911m	0.355	ppbv	
52) Tetrachloroethene	11.20	164	60281m	0.424	ppbv	
53) Toluene	9.79	91	148329	0.375	ppbv	95
54) 1,2-Dibromoethane	10.59	107	83979	0.418	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.10	131	70004m	0.470	ppbv	
57) Chlorobenzene	12.13	112	146473m	0.493	ppbv	
58) Ethyl Benzene	12.70	91	195906m	0.395	ppbv	
59) m/p-Xylene	12.98	91	361181m	0.839	ppbv	
60) o-Xylene	13.67	91	174580	0.435	ppbv	99
61) Styrene	13.51	104	66724m	0.320	ppbv	
62) Isopropylbenzene	14.65	105	259268m	0.457	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.67	83	148278m	0.497	ppbv	
64) n-propylbenzene	15.55	120	57885	0.401	ppbv	76
65) tert-Butylbenzene	16.73	119	233201	0.452	ppbv	95
66) Benzyl Chloride	16.99	91	11052m	0.473	ppbv	
67) sec-Butylbenzene	17.27	105	318978	0.442	ppbv	98
69) p-Isopropyltoluene	17.64	119	243716	0.415	ppbv	98
70) n-Butylbenzene	18.53	91	230867m	0.411	ppbv	
71) 2-Chlorotoluene	15.43	91	174257m	0.419	ppbv	
72) 4-Ethyltoluene	15.83	105	184675	0.387	ppbv	97
73) 1,3,5-Trimethylbenzene	15.98	105	196664m	0.442	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	202669	0.429	ppbv #	92
75) 1,3-Dichlorobenzene	16.98	146	137979m	0.485	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	133750m	0.467	ppbv	
77) 1,2-Dichlorobenzene	17.80	146	125958m	0.450	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	115698m	0.497	ppbv	
79) Naphthalene	22.18	128	81046m	0.256	ppbv	
80) Naphthalene, 2-methyl-	24.98	142	13339m	0.151	ppbv	
81) 1,2,4-Trichlorobenzene	21.90	180	72783m	0.367	ppbv	

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

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