

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037490.D
 Acq On : 18 Aug 2021 14:13
 Operator : SY/AP
 Sample : M2940-15 0.4 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 MDL-AIR-03-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:57:55 PM

Quant Time: Aug 19 02:18:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 18 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	5.66	49	1365370	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4043098	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3478283	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2554169	10.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	128812m	0.588	ppbv	
3) Chlorodifluoromethane	2.98	51	121443	0.464	ppbv	97
4) Chloromethane	3.14	50	42182m	0.451	ppbv	
5) Vinyl Chloride	3.25	62	39978	0.418	ppbv #	88
6) Bromomethane	3.47	94	21745m	0.415	ppbv	
7) Chloroethane	3.55	64	14063	0.430	ppbv #	67
8) Dichlorotetrafluoroethane	3.18	85	99096	0.438	ppbv	91
9) Propene	3.00	41	44520m	0.476	ppbv	
10) Heptane	8.11	43	80939m	0.376	ppbv	
11) Trichlorofluoromethane	3.94	101	87850	0.427	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	61841	0.410	ppbv	91
13) Ethanol	3.62	45	8762m	0.963	ppbv	
14) Bromoethene	3.73	108	28506m	0.416	ppbv	
15) Acetone	3.86	43	74705m	0.538	ppbv	
16) 1,3-Butadiene	3.32	39	39252m	0.440	ppbv	
17) tert-Butyl alcohol	4.32	59	59740m	0.471	ppbv	
18) 1,1-Dichloroethene	4.28	96	25620	0.374	ppbv #	79
19) Isopropyl Alcohol	3.99	45	36061m	0.453	ppbv	
20) Methylene Chloride	4.34	84	34787m	0.500	ppbv	
21) Allyl Chloride	4.41	41	46912m	0.416	ppbv	
22) trans-1,2-Dichloroethene	4.88	96	29112m	0.426	ppbv	
23) Vinyl Acetate	5.08	43	71803m	0.351	ppbv	
24) 1,1-Dichloroethane	5.00	63	63657m	0.429	ppbv	
25) Ethyl Acetate	5.68	43	128450	0.364	ppbv #	95
26) Hexane	5.67	57	61446	0.356	ppbv #	80
27) Carbon Disulfide	4.55	76	56163	0.365	ppbv #	92
28) Methyl tert-Butyl Ether	5.04	73	59344m	0.358	ppbv	
29) Chloroform	5.74	83	106078	0.434	ppbv	99
30) Cyclohexane	7.12	84	57537m	0.400	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	58294m	0.373	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	98289m	0.409	ppbv	
34) 2-Butanone	5.26	43	70279m	0.426	ppbv	
35) Carbon Tetrachloride	7.01	117	95184	0.398	ppbv #	84
36) Benzene	6.88	78	130434	0.384	ppbv	94
37) 1,2-Dichloroethane	6.29	62	70322m	0.418	ppbv	
38) Trichloroethene	7.82	130	56638m	0.406	ppbv	
39) 1,2-Dichloropropane	7.60	63	53881m	0.413	ppbv	
40) 1,4-Dioxane	7.87	88	15552m	0.486	ppbv	
41) Tetrahydrofuran	6.07	42	23780m	0.299	ppbv	
42) Bromodichloromethane	7.78	83	95451m	0.388	ppbv	
43) Methyl Methacrylate	8.01	69	38888m	0.328	ppbv	

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037490.D
 Acq On : 18 Aug 2021 14:13
 Operator : SY/AP
 Sample : M2940-15 0.4 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:57:55 PM

Quant Time: Aug 19 02:18:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 18 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	222574m	0.389	ppbv	
45) t-1,3-Dichloropropene	9.26	75	25789m	0.289	ppbv	
46) cis-1,3-Dichloropropene	8.70	75	35971m	0.289	ppbv	
47) 1,1,2-Trichloroethane	9.47	97	56701	0.402	ppbv	91
48) Dibromochloromethane	10.29	129	70663m	0.348	ppbv	
49) Bromoform	13.02	173	43391m	0.271	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	70715m	0.328	ppbv	
51) 2-Hexanone	10.16	43	29347m	0.296	ppbv	
52) Tetrachloroethene	11.21	164	51923m	0.373	ppbv	
53) Toluene	9.79	91	130447m	0.336	ppbv	
54) 1,2-Dibromoethane	10.59	107	77864m	0.395	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.11	131	65237m	0.450	ppbv	
57) Chlorobenzene	12.12	112	131851m	0.457	ppbv	
58) Ethyl Benzene	12.69	91	156657	0.325	ppbv	99
59) m/p-Xylene	12.98	91	322181m	0.770	ppbv	
60) o-Xylene	13.67	91	152373	0.390	ppbv	99
61) Styrene	13.52	104	53869m	0.266	ppbv	
62) Isopropylbenzene	14.65	105	225935m	0.410	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.66	83	131596m	0.453	ppbv	
64) n-propylbenzene	15.54	120	53905m	0.384	ppbv	
65) tert-Butylbenzene	16.73	119	202810m	0.404	ppbv	
66) Benzyl Chloride	16.98	91	11247m	0.495	ppbv	
67) sec-Butylbenzene	17.28	105	266494	0.380	ppbv	99
69) p-Isopropyltoluene	17.64	119	211609m	0.370	ppbv	
70) n-Butylbenzene	18.53	91	179631	0.329	ppbv	99
71) 2-Chlorotoluene	15.43	91	151649	0.375	ppbv	98
72) 4-Ethyltoluene	15.82	105	169972m	0.366	ppbv	
73) 1,3,5-Trimethylbenzene	15.98	105	142890	0.330	ppbv #	82
74) 1,2,4-Trimethylbenzene	16.74	105	178964m	0.389	ppbv	
75) 1,3-Dichlorobenzene	16.98	146	118169m	0.427	ppbv	
76) 1,4-Dichlorobenzene	17.12	146	110383m	0.396	ppbv	
77) 1,2-Dichlorobenzene	17.80	146	100501m	0.369	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	104922m	0.463	ppbv	
79) Naphthalene	22.18	128	71794m	0.233	ppbv	
80) Naphthalene, 2-methyl-	24.98	142	12742m	0.149	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	60781m	0.315	ppbv	

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

