

Data Path : Y:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037477.D
 Acq On : 17 Aug 2021 1:14
 Operator : SY/AP
 Sample : M2940-14 0.5 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 5:59:43 PM

Quant Time: Aug 17 12:40:32 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	1369622	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4114896	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3547209	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2723608	10.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.10%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	170114	0.774	ppbv	90
3) Chlorodifluoromethane	2.98	51	146737	0.559	ppbv	97
4) Chloromethane	3.13	50	49198	0.525	ppbv	98
5) Vinyl Chloride	3.25	62	49984	0.521	ppbv #	88
6) Bromomethane	3.46	94	27387m	0.521	ppbv	
7) Chloroethane	3.55	64	19845	0.606	ppbv #	77
8) Dichlorotetrafluoroethane	3.18	85	128657	0.567	ppbv	95
9) Propene	3.00	41	40255	0.429	ppbv #	80
10) Heptane	8.11	43	92830	0.430	ppbv	89
11) Trichlorofluoromethane	3.94	101	109881	0.533	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.47	101	82635	0.546	ppbv	95
13) Ethanol	3.62	45	4504m	0.493	ppbv	
14) Bromoethene	3.73	108	35787m	0.521	ppbv	
15) Acetone	3.86	43	83236m	0.597	ppbv	
16) 1,3-Butadiene	3.32	39	41955	0.469	ppbv	89
17) tert-Butyl alcohol	4.31	59	65521m	0.515	ppbv	
18) 1,1-Dichloroethene	4.27	96	37159m	0.540	ppbv	
19) Isopropyl Alcohol	3.99	45	41275m	0.517	ppbv	
20) Methylene Chloride	4.33	84	44503	0.638	ppbv #	81
21) Allyl Chloride	4.40	41	51371m	0.454	ppbv	
22) trans-1,2-Dichloroethene	4.87	96	33185m	0.484	ppbv	
23) Vinyl Acetate	5.07	43	85236	0.415	ppbv #	91
24) 1,1-Dichloroethane	5.00	63	93951m	0.630	ppbv	
25) Ethyl Acetate	5.68	43	180940	0.511	ppbv #	97
26) Hexane	5.67	57	84868	0.491	ppbv	94
27) Carbon Disulfide	4.54	76	61889m	0.401	ppbv	
28) Methyl tert-Butyl Ether	5.04	73	90988m	0.548	ppbv	
29) Chloroform	5.73	83	135632	0.553	ppbv	91
30) Cyclohexane	7.11	84	62442m	0.433	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	72484m	0.463	ppbv	
32) 1,1,1-Trichloroethane	6.49	97	123124	0.511	ppbv	96
34) 2-Butanone	5.26	43	87317m	0.520	ppbv	
35) Carbon Tetrachloride	7.01	117	116533m	0.479	ppbv	
36) Benzene	6.87	78	165446	0.478	ppbv	96
37) 1,2-Dichloroethane	6.29	62	79509	0.464	ppbv #	95
38) Trichloroethene	7.82	130	72885m	0.514	ppbv	
39) 1,2-Dichloropropane	7.60	63	64157	0.483	ppbv	89
40) 1,4-Dioxane	7.85	88	16595m	0.510	ppbv	
41) Tetrahydrofuran	6.07	42	32715m	0.404	ppbv	
42) Bromodichloromethane	7.77	83	110975	0.443	ppbv	93
43) Methyl Methacrylate	8.01	69	49507m	0.411	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.85	57	286086m	0.491	ppbv	
45) t-1,3-Dichloropropene	9.26	75	30776m	0.339	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	48350m	0.382	ppbv	
47) 1,1,2-Trichloroethane	9.46	97	78226m	0.545	ppbv	
48) Dibromochloromethane	10.29	129	89371m	0.432	ppbv	
49) Bromoform	13.02	173	61743m	0.379	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	90868m	0.415	ppbv	
51) 2-Hexanone	10.16	43	35819m	0.355	ppbv	
52) Tetrachloroethene	11.21	164	66419m	0.469	ppbv	
53) Toluene	9.79	91	174518m	0.442	ppbv	
54) 1,2-Dibromoethane	10.60	107	96888	0.483	ppbv	88
56) 1,1,1,2-Tetrachloroethane	12.11	131	82887m	0.561	ppbv	
57) Chlorobenzene	12.12	112	164836m	0.560	ppbv	
58) Ethyl Benzene	12.70	91	216929	0.441	ppbv	97
59) m/p-Xylene	12.98	91	415157m	0.973	ppbv	
60) o-Xylene	13.67	91	203188	0.510	ppbv	97
61) Styrene	13.51	104	78738m	0.381	ppbv	
62) Isopropylbenzene	14.65	105	299234	0.532	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	162306m	0.548	ppbv	
64) n-propylbenzene	15.55	120	69430m	0.485	ppbv	
65) tert-Butylbenzene	16.73	119	262641m	0.513	ppbv	
66) Benzyl Chloride	16.97	91	11982m	0.517	ppbv	
67) sec-Butylbenzene	17.27	105	355293	0.497	ppbv	99
69) p-Isopropyltoluene	17.64	119	273196	0.469	ppbv	97
70) n-Butylbenzene	18.54	91	231555	0.416	ppbv	95
71) 2-Chlorotoluene	15.43	91	201229	0.488	ppbv	95
72) 4-Ethyltoluene	15.82	105	218268m	0.461	ppbv	
73) 1,3,5-Trimethylbenzene	15.98	105	207552	0.471	ppbv	90
74) 1,2,4-Trimethylbenzene	16.74	105	241315m	0.515	ppbv	
75) 1,3-Dichlorobenzene	16.98	146	141134	0.500	ppbv	91
76) 1,4-Dichlorobenzene	17.12	146	120516	0.424	ppbv	83
77) 1,2-Dichlorobenzene	17.80	146	139800m	0.503	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	126467	0.548	ppbv	94
79) Naphthalene	22.19	128	93853m	0.299	ppbv	
80) Naphthalene, 2-methyl-	24.98	142	12812m	0.147	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	76586m	0.389	ppbv	

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

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