

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050621\
 Data File : VL036901.D
 Acq On : 6 May 2021 13:36
 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

Quant Time: May 08 17:06:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 05/08/2021
 Supervised By :Mahesh Dadoda 05/10/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1430339	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	3275281	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2880074	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2345049	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	141875	0.630	ppbv	94
3) Chlorodifluoromethane	2.99	51	126246	0.485	ppbv	99
4) Chloromethane	3.14	50	42337m	0.494	ppbv	
5) Vinyl Chloride	3.27	62	35517m	0.411	ppbv	
6) Bromomethane	3.48	94	23400m	0.504	ppbv	
7) Chloroethane	3.56	64	13883m	0.489	ppbv	
8) Dichlorotetrafluoroethane	3.19	85	105844	0.515	ppbv	97
9) Propene	3.02	41	27464m	0.346	ppbv	
10) Heptane	8.13	43	50931	0.255	ppbv	99
11) Trichlorofluoromethane	3.95	101	91192	0.454	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	58866	0.437	ppbv	96
13) Ethanol	3.65	45	5236m	0.517	ppbv	
14) Bromoethene	3.74	108	21843	0.397	ppbv	86
15) Acetone	3.88	43	78727m	0.584	ppbv	
16) 1,3-Butadiene	3.34	39	31426m	0.365	ppbv	
17) tert-Butyl alcohol	4.35	59	50117m	0.458	ppbv	
18) 1,1-Dichloroethene	4.30	96	22537	0.385	ppbv #	56
19) Isopropyl Alcohol	4.02	45	32425m	0.485	ppbv	
20) Methylene Chloride	4.36	84	35412m	0.549	ppbv	
21) Allyl Chloride	4.42	41	43380m	0.433	ppbv	
22) trans-1,2-Dichloroethene	4.89	96	22399m	0.382	ppbv	
23) Vinyl Acetate	5.10	43	65541m	0.357	ppbv	
24) 1,1-Dichloroethane	5.02	63	73537m	0.565	ppbv	
25) Ethyl Acetate	5.70	43	120054	0.365	ppbv	97
26) Hexane	5.69	57	53931m	0.350	ppbv	
27) Carbon Disulfide	4.56	76	48999	0.366	ppbv #	84
28) Methyl tert-Butyl Ether	5.06	73	59310m	0.434	ppbv	
29) Chloroform	5.76	83	110277	0.459	ppbv	95
30) Cyclohexane	7.17	84	60440m	0.495	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	42374m	0.306	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	106670	0.437	ppbv	96
34) 2-Butanone	5.28	43	58498m	0.408	ppbv	
35) Carbon Tetrachloride	7.02	117	112158	0.505	ppbv	94
36) Benzene	6.90	78	86284m	0.313	ppbv	
37) 1,2-Dichloroethane	6.31	62	64750m	0.414	ppbv	
38) Trichloroethene	7.84	130	38282m	0.390	ppbv	
39) 1,2-Dichloropropane	7.62	63	50729m	0.459	ppbv	
40) 1,4-Dioxane	7.91	88	12044m	0.451	ppbv	
41) Tetrahydrofuran	6.09	42	14820m	0.236	ppbv	
42) Bromodichloromethane	7.79	83	100226m	0.462	ppbv	
43) Methyl Methacrylate	8.03	69	20937m	0.233	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	149105	0.315	ppbv	# 80
45) t-1,3-Dichloropropene	9.28	75	23857m	0.246	ppbv	
46) cis-1,3-Dichloropropene	8.72	75	32246m	0.259	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	51184m	0.447	ppbv	
48) Dibromochloromethane	10.31	129	66501	0.392	ppbv	96
49) Bromoform	13.05	173	53691m	0.397	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	54470m	0.278	ppbv	
51) 2-Hexanone	10.18	43	23246m	0.238	ppbv	
52) Tetrachloroethene	11.22	164	35799m	0.381	ppbv	
53) Toluene	9.81	91	69127m	0.239	ppbv	
54) 1,2-Dibromoethane	10.61	107	62514m	0.387	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.12	131	65253m	0.540	ppbv	
57) Chlorobenzene	12.14	112	110144	0.491	ppbv	88
58) Ethyl Benzene	12.72	91	92550	0.253	ppbv	94
59) m/p-Xylene	13.00	91	198970m	0.609	ppbv	
60) o-Xylene	13.69	91	100898	0.320	ppbv	98
61) Styrene	13.53	104	31228m	0.211	ppbv	
62) Isopropylbenzene	14.67	105	142158	0.331	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	129009m	0.510	ppbv	
64) n-propylbenzene	15.56	120	30039m	0.281	ppbv	
65) tert-Butylbenzene	16.76	119	122022m	0.321	ppbv	
66) Benzyl Chloride	16.99	91	14415m	0.388	ppbv	
67) sec-Butylbenzene	17.29	105	170260	0.323	ppbv	98
69) p-Isopropyltoluene	17.66	119	113543m	0.269	ppbv	
70) n-Butylbenzene	18.56	91	118060m	0.277	ppbv	
71) 2-Chlorotoluene	15.46	91	95594	0.301	ppbv	99
72) 4-Ethyltoluene	15.85	105	95524m	0.282	ppbv	
73) 1,3,5-Trimethylbenzene	16.00	105	91337m	0.278	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	119516m	0.342	ppbv	
75) 1,3-Dichlorobenzene	17.00	146	91653m	0.444	ppbv	
76) 1,4-Dichlorobenzene	17.15	146	76229m	0.378	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	82799m	0.411	ppbv	
78) Hexachloro-1,3-Butadiene	23.38	225	78185m	0.457	ppbv	
79) Naphthalene	22.22	128	31526m	0.161	ppbv	
81) 1,2,4-Trichlorobenzene	21.94	180	29248m	0.231	ppbv	

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

