

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050621\
 Data File : VL036904.D
 Acq On : 6 May 2021 15:27
 Operator : SY/AP
 Sample : M2262-13 0.45
 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 18:28:29 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	1439030	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	3352553	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	2922028	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2470501	10.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	156204m	0.689 ppbv	
3) Chlorodifluoromethane	2.99	51	146204	0.558 ppbv	98
4) Chloromethane	3.15	50	48278m	0.560 ppbv	
5) Vinyl Chloride	3.27	62	40003m	0.460 ppbv	
6) Bromomethane	3.48	94	25765m	0.551 ppbv	
7) Chloroethane	3.56	64	14407m	0.504 ppbv	
8) Dichlorotetrafluoroethane	3.19	85	111637	0.540 ppbv	98
9) Propene	3.02	41	30313	0.380 ppbv	87
10) Heptane	8.13	43	67365m	0.335 ppbv	
11) Trichlorofluoromethane	3.95	101	105506	0.522 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	74344m	0.549 ppbv	
13) Ethanol	3.64	45	4508m	0.443 ppbv	
14) Bromoethene	3.75	108	25615m	0.463 ppbv	
15) Acetone	3.88	43	83054m	0.612 ppbv	
16) 1,3-Butadiene	3.33	39	33998	0.392 ppbv	85
17) tert-Butyl alcohol	4.35	59	49935m	0.454 ppbv	
18) 1,1-Dichloroethene	4.30	96	27125m	0.461 ppbv	
19) Isopropyl Alcohol	4.01	45	40368m	0.601 ppbv	
20) Methylene Chloride	4.35	84	40895m	0.631 ppbv	
21) Allyl Chloride	4.42	41	48575m	0.482 ppbv	
22) trans-1,2-Dichloroethene	4.89	96	26832m	0.454 ppbv	
23) Vinyl Acetate	5.10	43	73966m	0.401 ppbv	
24) 1,1-Dichloroethane	5.02	63	77883	0.595 ppbv	97
25) Ethyl Acetate	5.70	43	130039	0.393 ppbv #	94
26) Hexane	5.69	57	58787	0.379 ppbv #	77
27) Carbon Disulfide	4.56	76	56214	0.418 ppbv #	67
28) Methyl tert-Butyl Ether	5.06	73	63293m	0.461 ppbv	
29) Chloroform	5.76	83	127686	0.528 ppbv	98
30) Cyclohexane	7.14	84	66623m	0.542 ppbv	
31) cis-1,2-Dichloroethene	5.55	61	49368m	0.355 ppbv	
32) 1,1,1-Trichloroethane	6.52	97	120961	0.492 ppbv	96
34) 2-Butanone	5.28	43	46049	0.314 ppbv #	75
35) Carbon Tetrachloride	7.03	117	122121	0.537 ppbv	85
36) Benzene	6.90	78	104224	0.369 ppbv	94
37) 1,2-Dichloroethane	6.31	62	73798m	0.461 ppbv	
38) Trichloroethene	7.84	130	42208m	0.420 ppbv	
39) 1,2-Dichloropropane	7.63	63	59035m	0.522 ppbv	
40) 1,4-Dioxane	7.90	88	9548m	0.349 ppbv	
41) Tetrahydrofuran	6.09	42	17947m	0.279 ppbv	
42) Bromodichloromethane	7.80	83	119686m	0.539 ppbv	
43) Methyl Methacrylate	8.03	69	27949m	0.303 ppbv	

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

44) 2,2,4-Trimethylpentane	7.87	57	187112	0.387	ppbv	# 82
45) t-1,3-Dichloropropene	9.28	75	27908m	0.281	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	36441	0.286	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	59166	0.505	ppbv	# 91
48) Dibromochloromethane	10.31	129	78065	0.450	ppbv	98
49) Bromoform	13.04	173	65891m	0.475	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	60129m	0.300	ppbv	
51) 2-Hexanone	10.18	43	26117m	0.261	ppbv	
52) Tetrachloroethene	11.23	164	37848	0.393	ppbv	88
53) Toluene	9.81	91	79354	0.268	ppbv	96
54) 1,2-Dibromoethane	10.62	107	73965m	0.447	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.13	131	74753	0.610	ppbv	# 1
57) Chlorobenzene	12.15	112	117384	0.516	ppbv	# 92
58) Ethyl Benzene	12.72	91	115059m	0.310	ppbv	
59) m/p-Xylene	13.00	91	246621m	0.745	ppbv	
60) o-Xylene	13.70	91	122626	0.383	ppbv	98
61) Styrene	13.53	104	35403m	0.235	ppbv	
62) Isopropylbenzene	14.67	105	174216	0.400	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	135384	0.527	ppbv	91
64) n-propylbenzene	15.57	120	40216m	0.370	ppbv	
65) tert-Butylbenzene	16.75	119	140965	0.366	ppbv	# 82
66) Benzyl Chloride	16.99	91	17870m	0.474	ppbv	
67) sec-Butylbenzene	17.30	105	211660m	0.396	ppbv	
69) p-Isopropyltoluene	17.67	119	137047m	0.320	ppbv	
70) n-Butylbenzene	18.57	91	147792m	0.342	ppbv	
71) 2-Chlorotoluene	15.45	91	110492	0.342	ppbv	100
72) 4-Ethyltoluene	15.85	105	109684m	0.319	ppbv	
73) 1,3,5-Trimethylbenzene	16.00	105	110645	0.332	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	141559	0.400	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	100915m	0.482	ppbv	
76) 1,4-Dichlorobenzene	17.15	146	87828m	0.429	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	98543m	0.482	ppbv	
78) Hexachloro-1,3-Butadiene	23.38	225	93895m	0.540	ppbv	
79) Naphthalene	22.22	128	37351m	0.188	ppbv	
81) 1,2,4-Trichlorobenzene	21.95	180	36118m	0.282	ppbv	

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

