

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050621\
 Data File : VL036905.D
 Acq On : 6 May 2021 16:04
 Operator : SY/AP
 Sample : M2262-14 0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 LOQ-AIR-02-QT2-2021

Manual Integrations
 APPROVED

Quant Time: May 07 09:02:52 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	1350685	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3339713	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2916108	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2405117	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	159634	0.750 ppbv	97
3) Chlorodifluoromethane	2.99	51	164371	0.668 ppbv	98
4) Chloromethane	3.14	50	56149	0.694 ppbv #	87
5) Vinyl Chloride	3.26	62	42538	0.522 ppbv	90
6) Bromomethane	3.48	94	26752	0.610 ppbv	91
7) Chloroethane	3.56	64	15228	0.568 ppbv	93
8) Dichlorotetrafluoroethane	3.19	85	137454	0.708 ppbv	96
9) Propene	3.02	41	37204	0.496 ppbv	86
10) Heptane	8.13	43	73180	0.388 ppbv #	84
11) Trichlorofluoromethane	3.95	101	116302	0.613 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	79136	0.623 ppbv	99
13) Ethanol	3.63	45	11967m	1.252 ppbv	
14) Bromoethene	3.75	108	26051	0.502 ppbv #	72
15) Acetone	3.88	43	94913m	0.746 ppbv	
16) 1,3-Butadiene	3.34	39	47329m	0.581 ppbv	
17) tert-Butyl alcohol	4.35	59	63999m	0.619 ppbv	
18) 1,1-Dichloroethene	4.30	96	28751	0.521 ppbv	94
19) Isopropyl Alcohol	4.01	45	42903m	0.680 ppbv	
20) Methylene Chloride	4.34	84	46310m	0.761 ppbv	
21) Allyl Chloride	4.42	41	50167	0.530 ppbv	89
22) trans-1,2-Dichloroethene	4.89	96	30545m	0.551 ppbv	
23) Vinyl Acetate	5.10	43	86591m	0.500 ppbv	
24) 1,1-Dichloroethane	5.02	63	84089	0.684 ppbv	97
25) Ethyl Acetate	5.70	43	164768	0.530 ppbv	98
26) Hexane	5.69	57	68856	0.473 ppbv #	80
27) Carbon Disulfide	4.56	76	62271	0.493 ppbv #	78
28) Methyl tert-Butyl Ether	5.06	73	70602m	0.547 ppbv	
29) Chloroform	5.76	83	136685	0.603 ppbv	89
30) Cyclohexane	7.14	84	63526m	0.551 ppbv	
31) cis-1,2-Dichloroethene	5.55	61	58803m	0.450 ppbv	
32) 1,1,1-Trichloroethane	6.51	97	138017	0.598 ppbv	96
34) 2-Butanone	5.27	43	76206m	0.521 ppbv	
35) Carbon Tetrachloride	7.02	117	146228	0.645 ppbv	96
36) Benzene	6.90	78	115180	0.409 ppbv	97
37) 1,2-Dichloroethane	6.31	62	90769m	0.570 ppbv	
38) Trichloroethene	7.84	130	44843	0.448 ppbv	93
39) 1,2-Dichloropropane	7.62	63	56830	0.504 ppbv #	87
40) 1,4-Dioxane	7.89	88	14551m	0.535 ppbv	
41) Tetrahydrofuran	6.09	42	20587m	0.322 ppbv	
42) Bromodichloromethane	7.79	83	137376	0.621 ppbv	98
43) Methyl Methacrylate	8.02	69	29451m	0.321 ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	218729	0.454	ppbv	# 83
45) t-1,3-Dichloropropene	9.28	75	31755m	0.321	ppbv	
46) cis-1,3-Dichloropropene	8.70	75	43549m	0.343	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	63636	0.545	ppbv	90
48) Dibromochloromethane	10.31	129	89733m	0.519	ppbv	
49) Bromoform	13.04	173	71375	0.517	ppbv	90
50) 4-Methyl-2-Pentanone	8.79	43	73622m	0.368	ppbv	
51) 2-Hexanone	10.18	43	27754m	0.278	ppbv	
52) Tetrachloroethene	11.22	164	43905m	0.458	ppbv	
53) Toluene	9.81	91	97784m	0.332	ppbv	
54) 1,2-Dibromoethane	10.62	107	78520m	0.477	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.12	131	79637	0.651	ppbv	# 1
57) Chlorobenzene	12.15	112	143308	0.631	ppbv	91
58) Ethyl Benzene	12.72	91	130226m	0.352	ppbv	
59) m/p-Xylene	13.01	91	292107m	0.884	ppbv	
60) o-Xylene	13.70	91	144732	0.453	ppbv	98
61) Styrene	13.53	104	42778m	0.285	ppbv	
62) Isopropylbenzene	14.67	105	210388	0.484	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.68	83	167888m	0.655	ppbv	
64) n-propylbenzene	15.57	120	45041m	0.416	ppbv	
65) tert-Butylbenzene	16.76	119	161102	0.419	ppbv	# 79
66) Benzyl Chloride	17.01	91	19371m	0.515	ppbv	
67) sec-Butylbenzene	17.30	105	236246	0.442	ppbv	99
69) p-Isopropyltoluene	17.67	119	165202	0.386	ppbv	# 93
70) n-Butylbenzene	18.56	91	179688m	0.416	ppbv	
71) 2-Chlorotoluene	15.46	91	135855m	0.422	ppbv	
72) 4-Ethyltoluene	15.85	105	134679m	0.393	ppbv	
73) 1,3,5-Trimethylbenzene	16.00	105	138814m	0.417	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	168372	0.476	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	103146	0.494	ppbv	89
76) 1,4-Dichlorobenzene	17.15	146	88760	0.434	ppbv	89
77) 1,2-Dichlorobenzene	17.83	146	116642m	0.572	ppbv	
78) Hexachloro-1,3-Butadiene	23.39	225	107297m	0.619	ppbv	
79) Naphthalene	22.21	128	42736m	0.216	ppbv	
81) 1,2,4-Trichlorobenzene	21.93	180	45076m	0.352	ppbv	

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

