

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101821\
 Data File : VL037859.D
 Acq On : 18 Oct 2021 19:24
 Operator : SY/AP
 Sample : M4068-13 0.40 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2021

Manual Integrations
 APPROVED

Quant Time: Oct 19 09:05:32 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 10/25/2021
 Supervised By :Mahesh Dadoda 10/27/2021

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1238638	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3648984	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3126207	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2220726	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	117085	0.592 ppbv	96
3) Chlorodifluoromethane	2.99	51	114576	0.481 ppbv	95
4) Chloromethane	3.15	50	42797	0.491 ppbv #	82
5) Vinyl Chloride	3.27	62	36259	0.454 ppbv	92
6) Bromomethane	3.48	94	21489m	0.497 ppbv	
7) Chloroethane	3.56	64	12399	0.422 ppbv	91
8) Dichlorotetrafluoroethane	3.19	85	90027	0.460 ppbv	93
9) Propene	3.01	41	39908m	0.456 ppbv	
10) Heptane	8.13	43	75716m	0.381 ppbv	
11) Trichlorofluoromethane	3.95	101	85242	0.483 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	61694	0.461 ppbv	88
13) Ethanol	3.64	45	6023m	0.841 ppbv	
14) Bromoethene	3.74	108	29196m	0.496 ppbv	
15) Acetone	3.88	43	63641	0.572 ppbv	98
16) 1,3-Butadiene	3.33	39	32792	0.405 ppbv	89
17) tert-Butyl alcohol	4.33	59	52663m	0.460 ppbv	
18) 1,1-Dichloroethene	4.29	96	28391	0.467 ppbv #	73
19) Isopropyl Alcohol	4.00	45	27027m	0.391 ppbv	
20) Methylene Chloride	4.35	84	39616m	0.705 ppbv	
21) Allyl Chloride	4.41	41	36828	0.374 ppbv #	67
22) trans-1,2-Dichloroethene	4.89	96	29758m	0.487 ppbv	
23) Vinyl Acetate	5.10	43	74865m	0.449 ppbv	
24) 1,1-Dichloroethane	5.01	63	58069	0.479 ppbv	98
25) Ethyl Acetate	5.70	43	136175	0.436 ppbv	98
26) Hexane	5.69	57	62443	0.406 ppbv #	87
27) Carbon Disulfide	4.56	76	52558m	0.386 ppbv	
28) Methyl tert-Butyl Ether	5.06	73	55511	0.434 ppbv	95
29) Chloroform	5.75	83	101138	0.461 ppbv	96
30) Cyclohexane	7.13	84	51959m	0.399 ppbv	
31) cis-1,2-Dichloroethene	5.55	61	52942m	0.380 ppbv	
32) 1,1,1-Trichloroethane	6.51	97	85424	0.410 ppbv	95
34) 2-Butanone	5.27	43	52819	0.359 ppbv #	83
35) Carbon Tetrachloride	7.02	117	85686	0.413 ppbv	95
36) Benzene	6.89	78	119678	0.384 ppbv #	90
37) 1,2-Dichloroethane	6.31	62	57923	0.395 ppbv #	92
38) Trichloroethene	7.83	130	49681	0.403 ppbv	92
39) 1,2-Dichloropropane	7.61	63	49223m	0.420 ppbv	
41) Tetrahydrofuran	6.07	42	25410m	0.352 ppbv	
42) Bromodichloromethane	7.79	83	86423	0.401 ppbv	88
43) Methyl Methacrylate	8.02	69	28766	0.283 ppbv	91
44) 2,2,4-Trimethylpentane	7.87	57	200274	0.382 ppbv #	90

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45) t-1,3-Dichloropropene	9.28	75	21277m	0.304	ppbv	
46) cis-1,3-Dichloropropene	8.70	75	26622m	0.274	ppbv	
47) 1,1,2-Trichloroethane	9.47	97	59888m	0.470	ppbv	
48) Dibromochloromethane	10.30	129	61988	0.341	ppbv	90
49) Bromoform	13.04	173	46628m	0.335	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	62609m	0.326	ppbv	
51) 2-Hexanone	10.17	43	19881m	0.232	ppbv	
52) Tetrachloroethene	11.22	164	47780m	0.394	ppbv	
53) Toluene	9.81	91	99659	0.289	ppbv	97
54) 1,2-Dibromoethane	10.61	107	63199m	0.367	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.13	131	62086	0.480	ppbv	# 1
57) Chlorobenzene	12.15	112	125683m	0.490	ppbv	
58) Ethyl Benzene	12.71	91	134698	0.321	ppbv	94
59) m/p-Xylene	13.00	91	265913m	0.738	ppbv	
60) o-Xylene	13.69	91	133121m	0.385	ppbv	
61) Styrene	13.53	104	39969m	0.239	ppbv	
62) Isopropylbenzene	14.66	105	191089	0.397	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	114117	0.428	ppbv	94
64) n-propylbenzene	15.56	120	44158m	0.368	ppbv	
65) tert-Butylbenzene	16.75	119	159777	0.377	ppbv	93
66) Benzyl Chloride	16.99	91	9680m	0.463	ppbv	
67) sec-Butylbenzene	17.29	105	215432	0.372	ppbv	98
69) p-Isopropyltoluene	17.65	119	161418	0.344	ppbv	96
70) n-Butylbenzene	18.55	91	153995m	0.346	ppbv	
71) 2-Chlorotoluene	15.45	91	122214m	0.359	ppbv	
72) 4-Ethyltoluene	15.84	105	122357	0.312	ppbv	# 93
73) 1,3,5-Trimethylbenzene	15.99	105	137513m	0.386	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	158186m	0.423	ppbv	
75) 1,3-Dichlorobenzene	16.99	146	95874	0.414	ppbv	81
76) 1,4-Dichlorobenzene	17.13	146	90273m	0.408	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	92271m	0.415	ppbv	
78) Hexachloro-1,3-Butadiene	23.37	225	89926m	0.495	ppbv	
79) Naphthalene	22.21	128	53657m	0.234	ppbv	
81) 1,2,4-Trichlorobenzene	21.93	180	48736m	0.333	ppbv	

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

