

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031722\
 Data File : VL038644.D
 Acq On : 18 Mar 2022 3:01
 Operator : SY/AP
 Sample : N1645-15 0.1 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2022DL

Quant Time: Mar 19 13:32:07 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 03/19/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.671	49	815798	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.176	114	2091438	10.000	ppbv	0.01
55) Chlorobenzene-d5	12.085	117	1736243	10.000	ppbv	# 0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.416	95	1193969	9.045	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.057	85	17783	0.144	ppbv	94
3) Chlorodifluoromethane	3.002	51	18975	0.132	ppbv	100
4) Chloromethane	3.147	50	7402	0.139	ppbv	94
5) Vinyl Chloride	3.263	62	5563	0.104	ppbv #	85
6) Bromomethane	3.481	94	3509m	0.122	ppbv	
7) Chloroethane	3.562	64	2278	0.131	ppbv #	41
8) Dichlorotetrafluoroethane	3.192	85	16151	0.135	ppbv	96
9) Propene	3.021	41	6527	0.129	ppbv #	63
10) Heptane	8.131	43	5076	0.042	ppbv #	28
11) Trichlorofluoromethane	3.951	101	13681m	0.127	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.488	101	10405m	0.124	ppbv	
14) Bromoethene	3.745	108	4224	0.118	ppbv #	90
16) 1,3-Butadiene	3.330	39	5230	0.113	ppbv #	82
18) 1,1-Dichloroethene	4.298	96	4376	0.116	ppbv #	52
22) trans-1,2-Dichloroethene	4.890	96	4021	0.102	ppbv #	72
24) 1,1-Dichloroethane	5.015	63	8452	0.113	ppbv	96
28) Methyl tert-Butyl Ether	5.063	73	8749	0.118	ppbv	96
29) Chloroform	5.754	83	17474	0.123	ppbv	90
30) Cyclohexane	7.131	84	5575	0.071	ppbv #	15
31) cis-1,2-Dichloroethene	5.555	61	8718	0.100	ppbv	89
32) 1,1,1-Trichloroethane	6.520	97	16386m	0.119	ppbv	
35) Carbon Tetrachloride	7.018	117	15289m	0.107	ppbv	
36) Benzene	6.899	78	20893m	0.111	ppbv	
37) 1,2-Dichloroethane	6.311	62	6895	0.076	ppbv #	92
38) Trichloroethene	7.835	130	7824m	0.104	ppbv	
39) 1,2-Dichloropropane	7.613	63	4973	0.069	ppbv #	80
42) Bromodichloromethane	7.796	83	14453m	0.101	ppbv	
43) Methyl Methacrylate	8.031	69	4853m	0.075	ppbv	
44) 2,2,4-Trimethylpentane	7.873	57	29915m	0.094	ppbv	
47) 1,1,2-Trichloroethane	9.468	97	8864m	0.120	ppbv	
48) Dibromochloromethane	10.304	129	10002m	0.085	ppbv	
49) Bromoform	13.037	173	6812m	0.076	ppbv	
52) Tetrachloroethene	11.227	164	7583m	0.110	ppbv	
53) Toluene	9.806	91	16945	0.084	ppbv	99
54) 1,2-Dibromoethane	10.606	107	10213m	0.097	ppbv	
57) Chlorobenzene	12.146	112	18026m	0.136	ppbv	
58) Ethyl Benzene	12.709	91	19870m	0.088	ppbv	
59) m/p-Xylene	12.999	91	33705m	0.175	ppbv	
60) o-Xylene	13.693	91	15043m	0.083	ppbv	
61) Styrene	13.523	104	5972m	0.067	ppbv	
62) Isopropylbenzene	14.670	105	24111	0.096	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.680	83	15715	0.102	ppbv	90
64) n-propylbenzene	15.568	120	3254	0.051	ppbv #	1

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65) tert-Butylbenzene	16.741	119	18334m	0.082	ppbv	
67) sec-Butylbenzene	17.294	105	24493	0.077	ppbv	99
69) p-Isopropyltoluene	17.654	119	19114	0.072	ppbv #	93
70) n-Butylbenzene	18.555	91	19850m	0.071	ppbv	
71) 2-Chlorotoluene	15.455	91	8775	0.047	ppbv #	55
72) 4-Ethyltoluene	15.834	105	17151m	0.082	ppbv	
73) 1,3,5-Trimethylbenzene	16.002	105	16196m	0.084	ppbv	
74) 1,2,4-Trimethylbenzene	16.764	105	17187m	0.083	ppbv	
75) 1,3-Dichlorobenzene	16.998	146	18149m	0.139	ppbv	
76) 1,4-Dichlorobenzene	17.140	146	14488m	0.112	ppbv	
77) 1,2-Dichlorobenzene	17.818	146	13163	0.100	ppbv	94
78) Hexachloro-1,3-Butadiene	23.365	225	18022m	0.140	ppbv	
79) Naphthalene	22.201	128	10250m	0.055	ppbv	
81) 1,2,4-Trichlorobenzene	21.943	180	8851m	0.074	ppbv	

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

