

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031722\
 Data File : VL038646.D
 Acq On : 18 Mar 2022 4:17
 Operator : SY/AP
 Sample : N1645-15 0.45 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Mar 18 04:56:19 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 12:21:48 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	5.665	49	525816	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.173	114	2002895	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.086	117	1727244	10.000	ppbv	# 0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	1261266	9.604	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.044	85	49315	0.621	ppbv	100
3) Chlorodifluoromethane	2.983	51	71891	0.775	ppbv	98
4) Chloromethane	3.141	50	26678	0.776	ppbv #	87
5) Vinyl Chloride	3.260	62	20593	0.597	ppbv	97
6) Bromomethane	3.475	94	12670	0.684	ppbv	89
7) Chloroethane	3.559	64	7758	0.695	ppbv	96
8) Dichlorotetrafluoroethane	3.186	85	60156	0.781	ppbv	98
9) Propene	3.002	41	20893m	0.639	ppbv	
10) Heptane	8.118	43	45294	0.579	ppbv	91
11) Trichlorofluoromethane	3.948	101	52673	0.756	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.485	101	43409	0.802	ppbv	98
13) Ethanol	3.620	45	4744m	1.262	ppbv	
14) Bromoethene	3.739	108	16127	0.699	ppbv #	97
15) Acetone	3.861	43	25974	0.700	ppbv #	83
16) 1,3-Butadiene	3.327	39	19029	0.638	ppbv	89
17) tert-Butyl alcohol	4.301	59	29907m	0.742	ppbv	
18) 1,1-Dichloroethene	4.288	96	17057	0.704	ppbv	92
19) Isopropyl Alcohol	3.983	45	19310m	0.780	ppbv	
20) Methylene Chloride	4.349	84	18428	0.826	ppbv	98
21) Allyl Chloride	4.411	41	23020	0.644	ppbv #	84
22) trans-1,2-Dichloroethene	4.886	96	14410	0.567	ppbv #	86
23) Vinyl Acetate	5.079	43	34356	0.646	ppbv #	93
24) 1,1-Dichloroethane	5.005	63	38133	0.789	ppbv	97
25) Ethyl Acetate	5.687	43	65346	0.523	ppbv #	94
26) Hexane	5.687	57	31977	0.545	ppbv	91
27) Carbon Disulfide	4.552	76	36761m	0.629	ppbv	
28) Methyl tert-Butyl Ether	5.044	73	32236	0.675	ppbv	95
29) Chloroform	5.751	83	64655	0.708	ppbv	94
30) Cyclohexane	7.131	84	37892m	0.747	ppbv	
31) cis-1,2-Dichloroethene	5.546	61	21764	0.388	ppbv #	93
32) 1,1,1-Trichloroethane	6.510	97	64334	0.727	ppbv	98
34) 2-Butanone	5.259	43	22922	0.442	ppbv #	89
35) Carbon Tetrachloride	7.018	117	65998	0.483	ppbv	96
36) Benzene	6.890	78	83050	0.460	ppbv	94
37) 1,2-Dichloroethane	6.304	62	43880	0.508	ppbv	99
38) Trichloroethene	7.835	130	31401	0.435	ppbv	92
39) 1,2-Dichloropropane	7.613	63	32333	0.465	ppbv	93
40) 1,4-Dioxane	7.870	88	8355m	0.480	ppbv	
41) Tetrahydrofuran	6.079	42	17034m	0.401	ppbv	
42) Bromodichloromethane	7.790	83	63233	0.462	ppbv #	90
43) Methyl Methacrylate	8.021	69	22933m	0.370	ppbv	
44) 2,2,4-Trimethylpentane	7.864	57	136271	0.446	ppbv	95
45) t-1,3-Dichloropropene	9.275	75	15154m	0.339	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.706	75	22737m	0.372	ppbv	
47) 1,1,2-Trichloroethane	9.475	97	34538	0.488	ppbv	97
48) Dibromochloromethane	10.304	129	46126	0.410	ppbv	100
49) Bromoform	13.034	173	34116m	0.396	ppbv	
50) 4-Methyl-2-Pentanone	8.764	43	40280m	0.378	ppbv	
51) 2-Hexanone	10.153	43	15093m	0.336	ppbv	
52) Tetrachloroethene	11.217	164	28867	0.436	ppbv	95
53) Toluene	9.809	91	72024	0.373	ppbv	100
54) 1,2-Dibromoethane	10.610	107	43512	0.430	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.127	131	39063m	0.555	ppbv	
57) Chlorobenzene	12.147	112	72261	0.548	ppbv #	89
58) Ethyl Benzene	12.712	91	90698	0.406	ppbv	95
59) m/p-Xylene	12.995	91	166766m	0.871	ppbv	
60) o-Xylene	13.693	91	74749	0.413	ppbv	100
61) Styrene	13.529	104	28601	0.321	ppbv	96
62) Isopropylbenzene	14.661	105	110828m	0.444	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.677	83	74138	0.485	ppbv	94
64) n-propylbenzene	15.561	120	24965	0.393	ppbv	65
65) tert-Butylbenzene	16.748	119	95974	0.430	ppbv	90
66) Benzyl Chloride	16.995	91	6442m	0.487	ppbv	
67) sec-Butylbenzene	17.294	105	135521	0.427	ppbv	99
69) p-Isopropyltoluene	17.654	119	105351	0.401	ppbv	97
70) n-Butylbenzene	18.551	91	113683	0.406	ppbv	96
71) 2-Chlorotoluene	15.455	91	76124	0.411	ppbv	100
72) 4-Ethyltoluene	15.841	105	76123	0.367	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.995	105	76135	0.395	ppbv	97
74) 1,2,4-Trimethylbenzene	16.761	105	91774	0.446	ppbv #	92
75) 1,3-Dichlorobenzene	16.995	146	61089	0.470	ppbv	95
76) 1,4-Dichlorobenzene	17.134	146	53768	0.418	ppbv	89
77) 1,2-Dichlorobenzene	17.818	146	63217m	0.481	ppbv	
78) Hexachloro-1,3-Butadiene	23.374	225	69928	0.545	ppbv	98
79) Naphthalene	22.201	128	57423	0.310	ppbv	98
80) Naphthalene,2-methyl-	24.972	142	3500	0.107	ppbv	97
81) 1,2,4-Trichlorobenzene	21.921	180	44727	0.378	ppbv	100

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

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