

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
 Data File : VL039582.D
 Acq On : 25 Aug 2022 17:41
 Operator : SY/AP
 Sample : N3980-15 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022

Quant Time: Aug 26 07:24:18 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 07:24:18 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.205	49	979644	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2607991	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2173959	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1584199	9.659	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.748	85	16850	0.129	ppbv	100
3) Chlorodifluoromethane	2.690	51	11315	0.097	ppbv	95
4) Chloromethane	2.838	50	7477m	0.106	ppbv	
5) Vinyl Chloride	2.938	62	5595	0.099	ppbv #	88
6) Bromomethane	3.140	94	2852m	0.119	ppbv	
7) Chloroethane	3.214	64	2975m	0.140	ppbv	
8) Dichlorotetrafluoroethane	2.877	85	12751	0.091	ppbv #	82
9) Propene	2.719	41	13653m	0.256	ppbv	
10) Heptane	7.590	43	10271m	0.083	ppbv	
11) Trichlorofluoromethane	3.581	101	15286m	0.107	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.089	101	12055m	0.114	ppbv	
13) Ethanol	3.269	45	2978m	0.776	ppbv	
14) Bromoethene	3.385	108	4383m	0.101	ppbv	
15) Acetone	3.507	43	20288	0.185	ppbv #	77
16) 1,3-Butadiene	3.002	39	5295	0.092	ppbv	91
17) tert-Butyl alcohol	3.922	59	9666m	0.103	ppbv	
18) 1,1-Dichloroethene	3.893	96	4543m	0.095	ppbv	
19) Isopropyl Alcohol	3.610	45	4778m	0.090	ppbv	
20) Methylene Chloride	3.951	84	89670m	2.011	ppbv	
21) Allyl Chloride	4.008	41	6832m	0.096	ppbv	
22) trans-1,2-Dichloroethene	4.459	96	4043m	0.085	ppbv	
23) Vinyl Acetate	4.652	43	5624m	0.108	ppbv	
24) 1,1-Dichloroethane	4.574	63	10269m	0.106	ppbv	
25) Ethyl Acetate	5.227	43	65448	0.279	ppbv #	85
26) Hexane	5.224	57	72010	0.751	ppbv #	48
27) Carbon Disulfide	4.134	76	9082m	0.089	ppbv	
28) Methyl tert-Butyl Ether	4.623	73	8284m	0.100	ppbv	
29) Chloroform	5.282	83	15880m	0.106	ppbv	
30) Cyclohexane	6.603	84	5198m	0.066	ppbv	
31) cis-1,2-Dichloroethene	5.092	61	9489m	0.102	ppbv	
32) 1,1,1-Trichloroethane	6.008	97	12047m	0.091	ppbv	
34) 2-Butanone	4.825	43	12846m	0.099	ppbv	
35) Carbon Tetrachloride	6.500	117	12892m	0.091	ppbv	
36) Benzene	6.378	78	17424m	0.088	ppbv	
37) 1,2-Dichloroethane	5.822	62	9691m	0.088	ppbv	
38) Trichloroethene	7.301	130	11253	0.106	ppbv #	56
39) 1,2-Dichloropropane	7.073	63	9616m	0.129	ppbv	
40) 1,4-Dioxane	7.368	88	3428m	0.117	ppbv	
41) Tetrahydrofuran	5.603	42	6298m	0.081	ppbv	
42) Bromodichloromethane	7.259	83	13602m	0.091	ppbv	
43) Methyl Methacrylate	7.504	69	4770m	0.067	ppbv	
44) 2,2,4-Trimethylpentane	7.343	57	26056m	0.078	ppbv	
45) t-1,3-Dichloropropene	8.709	75	3831m	0.061	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	6700m	0.077	ppbv	
47) 1,1,2-Trichloroethane	8.905	97	8398m	0.098	ppbv	
48) Dibromochloromethane	9.716	129	9948m	0.079	ppbv	
49) Bromoform	12.407	173	8134m	0.078	ppbv	
50) 4-Methyl-2-Pentanone	8.227	43	13849m	0.069	ppbv	
51) 2-Hexanone	9.590	43	9801m	0.066	ppbv	
52) Tetrachloroethene	10.622	164	7092m	0.094	ppbv	
53) Toluene	9.220	91	16651m	0.075	ppbv	
54) 1,2-Dibromoethane	10.008	107	8666m	0.091	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.510	131	10570m	0.120	ppbv	
57) Chlorobenzene	11.519	112	18840m	0.116	ppbv	
58) Ethyl Benzene	12.092	91	18529m	0.074	ppbv	
59) m/p-Xylene	12.381	91	30958m	0.138	ppbv	
60) o-Xylene	13.053	91	14352m	0.067	ppbv	
61) Styrene	12.899	104	7250m	0.063	ppbv	
62) Isopropylbenzene	14.031	105	29743m	0.091	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.053	83	11498m	0.113	ppbv	
64) n-propylbenzene	14.928	120	6215m	0.074	ppbv	
65) tert-Butylbenzene	16.101	119	22816m	0.079	ppbv	
66) Benzyl Chloride	16.362	91	2239m	0.095	ppbv	
67) sec-Butylbenzene	16.648	105	31985m	0.078	ppbv	
69) p-Isopropyltoluene	17.005	119	27318m	0.080	ppbv	
70) n-Butylbenzene	17.899	91	25206m	0.075	ppbv	
71) 2-Chlorotoluene	14.809	91	22026m	0.093	ppbv	
72) 4-Ethyltoluene	15.195	105	16748m	0.067	ppbv	
73) 1,3,5-Trimethylbenzene	15.362	105	16940m	0.074	ppbv	
74) 1,2,4-Trimethylbenzene	16.111	105	18644m	0.073	ppbv	
75) 1,3-Dichlorobenzene	16.326	146	17417m	0.112	ppbv	
76) 1,4-Dichlorobenzene	16.484	146	17428m	0.112	ppbv	
77) 1,2-Dichlorobenzene	17.153	146	19625m	0.129	ppbv	
78) Hexachloro-1,3-Butadiene	22.632	225	16175m	0.133	ppbv	
79) Naphthalene	21.400	128	19574m	0.107	ppbv	
80) Naphthalene,2-methyl-	24.410	142	3662m	0.049	ppbv	
81) 1,2,4-Trichlorobenzene	21.152	180	12950m	0.106	ppbv	

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

