

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
 Data File : VL039595.D
 Acq On : 26 Aug 2022 9:03
 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 27 00:01:50 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 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	968476	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2523438	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2266793	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1689435	9.879	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.751	85	95481	0.741	ppbv	92
3) Chlorodifluoromethane	2.697	51	64117	0.556	ppbv	95
4) Chloromethane	2.835	50	33674	0.485	ppbv	100
5) Vinyl Chloride	2.944	62	29534	0.527	ppbv	99
6) Bromomethane	3.144	94	11492	0.483	ppbv	85
7) Chloroethane	3.224	64	10261	0.488	ppbv #	85
8) Dichlorotetrafluoroethane	2.880	85	73184	0.531	ppbv	96
9) Propene	2.719	41	29333	0.556	ppbv	99
10) Heptane	7.591	43	49632	0.406	ppbv	96
11) Trichlorofluoromethane	3.584	101	77916	0.551	ppbv	90
12) 1,1,2-Trichlorotrifluoro...	4.086	101	56344m	0.539	ppbv	
13) Ethanol	3.276	45	2664m	0.702	ppbv	
14) Bromoethene	3.395	108	21500m	0.503	ppbv	
15) Acetone	3.501	43	61896	0.571	ppbv #	86
16) 1,3-Butadiene	3.009	39	27384	0.484	ppbv	95
17) tert-Butyl alcohol	3.915	59	27198	0.294	ppbv	95
18) 1,1-Dichloroethene	3.899	96	24428m	0.518	ppbv	
19) Isopropyl Alcohol	3.616	45	22289m	0.422	ppbv	
20) Methylene Chloride	3.954	84	30428	0.690	ppbv	92
21) Allyl Chloride	4.015	41	37795m	0.536	ppbv	
22) trans-1,2-Dichloroethene	4.462	96	20593	0.439	ppbv #	77
23) Vinyl Acetate	4.652	43	36161m	0.701	ppbv	
24) 1,1-Dichloroethane	4.584	63	51908m	0.544	ppbv	
25) Ethyl Acetate	5.230	43	99871	0.430	ppbv #	94
26) Hexane	5.230	57	42337	0.447	ppbv #	74
27) Carbon Disulfide	4.147	76	33643	0.332	ppbv #	76
28) Methyl tert-Butyl Ether	4.613	73	37437	0.458	ppbv	97
29) Chloroform	5.285	83	78212	0.528	ppbv	90
30) Cyclohexane	6.613	84	35710m	0.455	ppbv	
31) cis-1,2-Dichloroethene	5.089	61	39291m	0.428	ppbv	
32) 1,1,1-Trichloroethane	6.015	97	65339m	0.501	ppbv	
34) 2-Butanone	4.816	43	61253	0.488	ppbv	98
35) Carbon Tetrachloride	6.507	117	63379	0.465	ppbv	99
36) Benzene	6.382	78	82202	0.427	ppbv	96
37) 1,2-Dichloroethane	5.825	62	52697m	0.497	ppbv	
38) Trichloroethene	7.304	130	48465m	0.470	ppbv	
39) 1,2-Dichloropropane	7.082	63	32800	0.454	ppbv #	88
40) 1,4-Dioxane	7.337	88	9511m	0.336	ppbv	
41) Tetrahydrofuran	5.603	42	29769m	0.397	ppbv	
42) Bromodichloromethane	7.256	83	67182	0.463	ppbv #	88
43) Methyl Methacrylate	7.497	69	26504m	0.382	ppbv	
44) 2,2,4-Trimethylpentane	7.333	57	147496m	0.455	ppbv	
45) t-1,3-Dichloropropene	8.719	75	18373m	0.304	ppbv	

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022

QLast Update : Fri Aug 26 06:05:16 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	27052m	0.323	ppbv	
47) 1,1,2-Trichloroethane	8.906	97	41121m	0.498	ppbv	
48) Dibromochloromethane	9.716	129	49340	0.405	ppbv	98
49) Bromoform	12.407	173	39904m	0.396	ppbv	
50) 4-Methyl-2-Pentanone	8.214	43	77952m	0.399	ppbv	
51) 2-Hexanone	9.584	43	49108m	0.341	ppbv	
52) Tetrachloroethene	10.619	164	33662m	0.463	ppbv	
53) Toluene	9.230	91	77945	0.362	ppbv	97
54) 1,2-Dibromoethane	10.012	107	42356m	0.459	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.516	131	48640	0.528	ppbv #	1
57) Chlorobenzene	11.536	112	91570m	0.541	ppbv	
58) Ethyl Benzene	12.098	91	103013m	0.396	ppbv	
59) m/p-Xylene	12.378	91	202826m	0.868	ppbv	
60) o-Xylene	13.063	91	91558	0.408	ppbv	96
61) Styrene	12.909	104	39508	0.331	ppbv	96
62) Isopropylbenzene	14.037	105	160270	0.473	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.053	83	56229m	0.529	ppbv	
64) n-propylbenzene	14.928	120	39151	0.444	ppbv	82
65) tert-Butylbenzene	16.095	119	148201m	0.492	ppbv	
66) Benzyl Chloride	16.339	91	10431m	0.426	ppbv	
67) sec-Butylbenzene	16.642	105	188809	0.442	ppbv	100
69) p-Isopropyltoluene	17.005	119	152742	0.431	ppbv	95
70) n-Butylbenzene	17.902	91	152452m	0.432	ppbv	
71) 2-Chlorotoluene	14.806	91	98579	0.401	ppbv	94
72) 4-Ethyltoluene	15.198	105	109873m	0.419	ppbv	
73) 1,3,5-Trimethylbenzene	15.359	105	91094	0.380	ppbv	95
74) 1,2,4-Trimethylbenzene	16.114	105	117263	0.439	ppbv #	92
75) 1,3-Dichlorobenzene	16.330	146	81121m	0.500	ppbv	
76) 1,4-Dichlorobenzene	16.478	146	74101	0.458	ppbv	97
77) 1,2-Dichlorobenzene	17.146	146	80408m	0.506	ppbv	
78) Hexachloro-1,3-Butadiene	22.635	225	70911m	0.560	ppbv	
79) Naphthalene	21.397	128	67484m	0.355	ppbv	
80) Naphthalene,2-methyl-	24.390	142	7438	0.096	ppbv #	84
81) 1,2,4-Trichlorobenzene	21.146	180	52711m	0.415	ppbv	

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

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